IN THE UNITED STATES PATENT AND TRADEMARK OFFICE APPLICATION FOR LETTERS PATENT

Application Program Interface for Network Software Platform

Inventor(s): Brad Abrams

£1792821794

TECHNICAL FIELD

This invention relates to network software, such as Web applications, and to computer software development of such network software. More particularly, this invention relates to an application program interface (API) that facilitates use of a network software platform by application programs and computer hardware.

BACKGROUND

Very early on, computer software came to be categorized as "operating system" software or "application" software. Broadly speaking, an application is software meant to perform a specific task for the computer user such as solving a mathematical equation or supporting word processing. The operating system is the software that manages and controls the computer hardware. The goal of the operating system is to make the computer resources available to the application programmer while at the same time, hiding the complexity necessary to actually control the hardware.

The operating system makes the resources available via functions that are collectively known as the Application Program Interface or API. The term API is also used in reference to a single one of these functions. The functions are often grouped in terms of what resource or service they provide to the application programmer. Application software requests resources by calling individual API functions. API functions also serve as the means by which messages and information provided by the operating system are relayed back to the application software.

In addition to changes in hardware, another factor driving the evolution of operating system software has been the desire to simplify and speed application

software development. Application software development can be a daunting task, sometimes requiring years of developer time to create a sophisticated program with millions of lines of code. For a popular operating system such as Microsoft Windows®, application software developers write thousands of different applications each year that utilize the operating system. A coherent and usable operating system base is required to support so many diverse application developers.

Often, development of application software can be made simpler by making the operating system more complex. That is, if a function may be useful to several different application programs, it may be better to write it once for inclusion in the operating system, than requiring dozens of software developers to write it dozens of times for inclusion in dozens of different applications. In this manner, if the operating system supports a wide range of common functionality required by a number of applications, significant savings in applications software development costs and time can be achieved.

Regardless of where the line between operating system and application software is drawn, it is clear that for a useful operating system, the API between the operating system and the computer hardware and application software is as important as efficient internal operation of the operating system itself.

Over the past few years, the universal adoption of the Internet, and networking technology in general, has changed the landscape for computer software developers. Traditionally, software developers focused on single-site software applications for standalone desktop computers, or LAN-based computers that were connected to a limited number of other computers via a local area network (LAN). Such software applications were typically referred to as "shrink

lee@hayes ≠ 509-324-9256 2 MS1-864US.APP

wrapped" products because the software was marketed and sold in a shrinkwrapped package. The applications utilized well-defined APIs to access the underlying operating system of the computer.

As the Internet evolved and gained widespread acceptance, the industry began to recognize the power of hosting applications at various sites on the World Wide Web (or simply the "Web"). In the networked world, clients from anywhere could submit requests to server-based applications hosted at diverse locations and receive responses back in fractions of a second. These Web applications, however, were typically developed using the same operating system platform that was originally developed for standalone computing machines or locally networked computers. Unfortunately, in some instances, these applications do not adequately transfer to the distributed computing regime. The underlying platform was simply not constructed with the idea of supporting limitless numbers of interconnected computers.

To accommodate the shift to the distributed computing environment being ushered in by the Internet, Microsoft Corporation is developing a network software platform known as the ".NET" platform (read as "Dot Net"). The platform allows developers to create Web services that will execute over the Internet. Such a dynamic shift requires a new ground-up design of an entirely new API.

In response to this challenge, the inventors developed a unique set of API functions for Microsoft's .NETTM platform.

SUMMARY

An application program interface (API) provides a set of functions for application developers who build Web applications on a network platform, such as Microsoft Corporation's .NETTM platform.

BRIEF DESCRIPTION OF THE DRAWINGS

The same numbers are used throughout the drawings to reference like features.

Fig. 1 illustrates a network architecture in which clients access Web services over the Internet using conventional protocols.

Fig. 2 is a block diagram of a software architecture for Microsoft's .NET™ platform, which includes an application program interface (API).

Fig. 3 is a block diagram of unique namespaces supported by the API, as well as function classes of the various API functions.

Fig. 4 is a block diagram of an exemplary computer that may execute all or part of the software architecture.

BRIEF DESCRIPTION OF ACCOMPANYING COMPACT DISC

Accompanying this specification is a compact disc that stores a compiled HTML help file identifying the API (application program interface) for Microsoft's .NET™ network platform. The file is named "cpref.chm" and was created on June 8, 2001. It is 30.81 Mbytes in size. The file can be executed on a Windows®-based computing device (e.g., IBM-PC, or equivalent) that executes a Windows®-brand operating system (e.g., Windows® NT, Windows® 98,

Windows® 2000, etc.). The compiled HTML help file stored on the compact disk is hereby incorporated by reference.

Additionally, the APIs contained in the compiled HTML help file are also provided in approximately 100 separate text files named "NamespaceName.txt". The text files comply with the ASCII format.

The compact disc itself is a CD-ROM, and conforms to the ISO 9660 standard.

DETAILED DESCRIPTION

This disclosure addresses an application program interface (API) for a network platform upon which developers can build Web applications and services. More particularly, an exemplary API is described for the .NETTM platform created by Microsoft Corporation. The .NETTM platform is a software platform for Web services and Web applications implemented in the distributed computing environment. It represents the next generation of Internet computing, using open communication standards to communicate among loosely coupled Web services that are collaborating to perform a particular task.

In the described implementation, the .NETTM platform utilizes XML (extensible markup language), an open standard for describing data. XML is managed by the World Wide Web Consortium (W3C). XML is used for defining data elements on a Web page and business-to-business documents. XML uses a similar tag structure as HTML; however, whereas HTML defines how elements are displayed, XML defines what those elements contain. HTML uses predefined tags, but XML allows tags to be defined by the developer of the page. Thus, virtually any data items can be identified, allowing Web pages to function like

lee@hayes 🙉 509-324-9256 59-324-9256

database records. Through the use of XML and other open protocols, such as Simple Object Access Protocol (SOAP), the .NET™ platform allows integration of a wide range of services that can be tailored to the needs of the user. Although the embodiments described herein are described in conjunction with XML and other open standards, such are not required for the operation of the claimed invention. Other equally viable technologies will suffice to implement the inventions described herein.

As used herein, the phrase application program interface or API includes traditional interfaces that employ method or function calls, as well as remote calls (e.g., a proxy, stub relationship) and SOAP/XML invocations.

EXEMPLARY NETWORK ENVIRONMENT

Fig. 1 shows a network environment 100 in which a network platform, such as the .NET™ platform, may be implemented. The network environment 100 includes representative Web services 102(1), ..., 102(N), which provide services that can be accessed over a network 104 (e.g., Internet). The Web services, referenced generally as number 102, are programmable application components that are reusable and interact programmatically over the network 104, typically through industry standard Web protocols, such as XML, SOAP, WAP (wireless application protocol), HTTP (hypertext transport protocol), and SMTP (simple mail transfer protocol) although other means of interacting with the Web services over the network may also be used, such as Remote Procedure Call (RPC) or object broker type technology. A Web service can be self-describing and is often defined in terms of formats and ordering of messages.

lee⊗hayes pt 509-324-9256 6 MS1-864US.APP

Web services 102 are accessible directly by other services (as represented by communication link 106) or a software application, such as Web application 110 (as represented by communication links 112 and 114). Each Web service 102 is illustrated as including one or more servers that execute software to handle requests for particular services. Such services often maintain databases that store information to be served back to requesters. Web services may be configured to perform any one of a variety of different services. Examples of Web services include login verification, notification, database storage, stock quoting, location directories, mapping, music, electronic wallet, calendar/scheduler, telephone listings, news and information, games, ticketing, and so on. The Web services can be combined with each other and with other applications to build intelligent interactive experiences.

The network environment 100 also includes representative client devices 120(1), 120(2), 120(3), 120(4), ..., 120(M) that utilize the Web services 102 (as represented by communication link 122) and/or the Web application 110 (as represented by communication links 124, 126, and 128). The clients may communicate with one another using standard protocols as well, as represented by an exemplary XML link 130 between clients 120(3) and 120(4).

The client devices, referenced generally as number 120, can be implemented many different ways. Examples of possible client implementations include, without limitation, portable computers, stationary computers, tablet PCs, televisions/set-top boxes, wireless communication devices, personal digital assistants, gaming consoles, printers, photocopiers, and other smart devices.

The Web application 110 is an application designed to run on the network platform and may utilize the Web services 102 when handling and servicing

requests from clients 120. The Web application 110 is composed of one or more software applications 130 that run atop a programming framework 132, which are executing on one or more servers 134 or other computer systems. Note that a portion of Web application 110 may actually reside on one or more of clients 120. Alternatively, Web application 110 may coordinate with other software on clients 120 to actually accomplish its tasks.

The programming framework 132 is the structure that supports the applications and services developed by application developers. It permits multi-language development and seamless integration by supporting multiple languages. It supports open protocols, such as SOAP, and encapsulates the underlying operating system and object model services. The framework provides a robust and secure execution environment for the multiple programming languages and offers secure, integrated class libraries.

The framework 132 is a multi-tiered architecture that includes an application program interface (API) layer 142, a common language runtime (CLR) layer 144, and an operating system/services layer 146. This layered architecture allows updates and modifications to various layers without impacting other portions of the framework. A common language specification (CLS) 140 allows designers of various languages to write code that is able to access underlying library functionality. The specification 140 functions as a contract between language designers and library designers that can be used to promote language interoperability. By adhering to the CLS, libraries written in one language can be directly accessible to code modules written in other languages to achieve seamless integration between code modules written in one language and code modules written in another language. One exemplary detailed implementation of a CLS is

lee@hayes ≠ 509-324-9256 8 MS1-864US.APP

described in an ECMA standard created by participants in ECMA TC39/TG3.

The reader is directed to the ECMA web site at www.ecma.ch.

The API layer 142 presents groups of functions that the applications 130 can call to access the resources and services provided by layer 146. By exposing the API functions for a network platform, application developers can create Web applications for distributed computing systems that make full use of the network resources and other Web services, without needing to understand the complex interworkings of how those network resources actually operate or are made available. Moreover, the Web applications can be written in any number of programming languages, and translated into an intermediate language supported by the common language runtime 144 and included as part of the common language specification 140. In this way, the API layer 142 can provide methods for a wide and diverse variety of applications.

Additionally, the framework 132 can be configured to support API calls placed by remote applications executing remotely from the servers 134 that host the framework. Representative applications 148(1) and 148(2) residing on clients 120(3) and 120(M), respectively, can use the API functions by making calls directly, or indirectly, to the API layer 142 over the network 104.

The framework may also be implemented at the clients. Client 120(3) represents the situation where a framework 150 is implemented at the client. This framework may be identical to server-based framework 132, or modified for client purposes. Alternatively, the client-based framework may be condensed in the event that the client is a limited or dedicated function device, such as a cellular phone, personal digital assistant, handheld computer, or other communication/computing device.

lee@hayes nk 509-124-9256 9 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

DEVELOPERS' PROGRAMMING FRAMEWORK

Fig. 2 shows the programming framework 132 in more detail. The common language specification (CLS) layer 140 supports applications written in a variety of languages 130(1), 130(2), 130(3), 130(4), ..., 130(K). Such application languages include Visual Basic, C++, C#, COBOL, Jscript, Perl, Eiffel, Python, and so on. The common language specification 140 specifies a subset of features or rules about features that, if followed, allow the various languages to communicate. For example, some languages do not support a given type (e.g., an "int*" type) that might otherwise be supported by the common language runtime 144. In this case, the common language specification 140 does not include the type. On the other hand, types that are supported by all or most languages (e.g., the "int[]" type) is included in common language specification 140 so library developers are free to use it and are assured that the languages can handle it. This ability to communicate results in seamless integration between code modules written in one language and code modules written in another language. Since different languages are particularly well suited to particular tasks, the seamless integration between languages allows a developer to select a particular language for a particular code module with the ability to use that code module with modules written in different languages. The common language runtime 144 allow seamless multi-language development, with cross language inheritance, and provide a robust and secure execution environment for the multiple programming languages. For more information on the common language specification 140 and the common language runtime 144, the reader is directed to co-pending applications entitled "Method and System for Compiling Multiple Languages", filed 6/21/2000 (serial

lee@hayes pt 509-124-9256 10 MS1-864US.APP

number 09/598,105) and "Unified Data Type System and Method" filed 7/10/2000 (serial number 09/613,289), which are incorporated by reference.

The framework 132 encapsulates the operating system 146(1) (e.g., Windows®-brand operating systems) and object model services 146(2) (e.g., Component Object Model (COM) or Distributed COM). The operating system 146(1) provides conventional functions, such as file management, notification, event handling, user interfaces (e.g., windowing, menus, dialogs, etc.), security, authentication, verification, processes and threads, memory management, and so on. The object model services 146(2) provide interfacing with other objects to perform various tasks. Calls made to the API layer 142 are handed to the common language runtime layer 144 for local execution by the operating system 146(1) and/or object model services 146(2).

The API 142 groups API functions into multiple namespaces. Namespaces essentially define a collection of classes, interfaces, delegates, enumerations, and structures, which are collectively called "types", that provide a specific set of related functionality. A class represents managed heap allocated data that has reference assignment semantics. A delegate is an object oriented function pointer. An enumeration is a special kind of value type that represents named constants. A structure represents static allocated data that has value assignment semantics. An interface defines a contract that other types can implement.

By using namespaces, a designer can organize a set of types into a hierarchical namespace. The designer is able to create multiple groups from the set of types, with each group containing at least one type that exposes logically related functionality. In the exemplary implementation, the API 142 is organized into four root namespaces: a first namespace 200 for Web applications, a second

lee@hayes ptc 509-124-9256 11 MS1-864US.APP

namespace 202 for client applications, a third namespace 204 for data and XML, and a fourth namespace 206 for base class libraries (BCLs). Each group can then be assigned a name. For instance, types in the Web applications namespace 200 are assigned the name "Web", and types in the data and XML namespace 204 can be assigned names "Data" and "XML" respectively. The named groups can be organized under a single "global root" namespace for system level APIs, such as an overall System namespace. By selecting and prefixing a top level identifier, the types in each group can be easily referenced by a hierarchical name that includes the selected top level identifier prefixed to the name of the group containing the type. For instance, types in the Web applications namespace 200 can be referenced using the hierarchical name "System.Web". In this way, the individual namespaces 200, 202, 204, and 206 become major branches off of the System namespace and can carry a designation where the individual namespaces are prefixed with a designator, such as a "System." prefix.

The Web applications namespace 200 pertains to Web based functionality, such as dynamically generated Web pages (e.g., Microsoft's Active Server Pages (ASP)). It supplies types that enable browser/server communication. The client applications namespace 202 pertains to drawing and client side UI functionality. It supplies types that enable drawing of two-dimensional (2D), imaging, and printing, as well as the ability to construct window forms, menus, boxes, and so on.

The data and XML namespace 204 relates to connectivity to data sources and XML functionality. It supplies classes, interfaces, delegates, and enumerations that enable security, specify data types, and serialize objects into XML format documents or streams. The base class libraries (BCL) namespace

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

206 pertains to basic system and runtime functionality. It contains the fundamental types and base classes that define commonly-used value and reference data types, events and event handlers, interfaces, attributes, and processing exceptions.

In addition to the framework 132, programming tools 210 are provided to assist the developer in building Web services and/or applications. One example of the programming tools 200 is Visual StudioTM, a multi-language suite of programming tools offered by Microsoft Corporation.

ROOT API NAMESPACES

Fig. 3 shows the API 142 and its four root namespaces in more detail. In one embodiment, the namespaces are identified according to a hierarchical naming. convention in which strings of names are concatenated with periods. For instance, the Web applications namespace 200 is identified by the root name "System.Web". Within the "Sytem.Web" namespace is another namespace for Web services, identified as "System.Web.Services", which further identifies another namespace for description known a as "System. Web. Services. Description". With this naming convention in mind, the following provides a general overview of selected namespaces of the API 142, although other naming conventions could be used with equal effect.

The Web applications namespace 200 ("System.Web") defines additional namespaces, including:

 A services namespace 300 ("System.Web.Services") containing classes that enable a developer to build and use Web services. The

lee@hayes pt 509-324-9256 13 MS1-864US.APP

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21 22

23

2425

services namespace 300 defines additional namespaces, including a description namespace 302 ("System.Web.Services.Description") containing classes that enable a developer to publicly describe a Web service via a service description language (such as WSDL, a specification available from the W3C), a discovery namespace 304 ("System.Web.Services.Discovery") containing classes that allow Web service consumers to locate available Web Services on a Web 306 protocols namespace server, and a ("System.Web.Services.Protocols") containing classes that define the protocols used to transmit data across a network during communication between Web service clients and the Web service itself.

- A caching namespace 308 ("System.Web.Caching") containing classes that enable developers to decrease Web application response time through temporarily caching frequently used resources on the server. This includes ASP.NET pages, web services, and user controls. (ASP.NET is the updated version of Microsoft's ASP technology.) Additionally, a cache dictionary is available for developers to store frequently used resources, such as hash tables and other data structures.
- A configuration namespace 310 ("System.Web.Configuration") containing classes that are used to read configuration data in for an application.
- A UI namespace 312 ("System.Web.UI") containing types that allow developers to create controls and pages that will appear in Web

3

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

applications as user interfaces on a Web page. This namespace includes the control class, which provides all web based controls, whether those encapsulating HTML elements, higher level Web controls, or even custom User controls, with a common set of functionality. Also provided are classes which provide the web forms server controls data binding functionality, the ability to save the view state of a given control or page, as well as parsing functionality for both programmable and literal controls. Within the UI namespace 312 are two additional namespaces: an HTML controls 314 ("System.Web.UI.HtmlControls") namespace containing classes that permit developers to interact with types that encapsulates html 3.2 elemtents create HTML controls, and a Web controls 316 ("System.Web.UI.WeblControls") namespace containing classes that allow developers to create higher level Web controls.

- A security namespace 318 ("System.Web.Security") containing classes used to implement security in web server applications, such as basic authentication, challenge response authentication, and role based authentication.
- A session state namespace 320 ("System.Web.SessionState")
 containing classes used to access session state values (i.e., data that
 lives across requests for the lifetime of the session) as well as
 session-level settings and lifetime management methods.

The client applications namespace 202 is composed of two namespaces:

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

A windows forms namespace 322 ("System.Windows.Forms") containing classes for creating Windows®-based client applications that take full advantage of the rich user interface features available in the Microsoft Windows® operating system, such as the ability to drag and drop screen elements. Such classes may include wrapped APIs available in the Microsoft Windows® operating system that are used in a windowing UI environment. Within this namespace are a design namespace 324 ("System.Windows.Forms.Design") that contains classes to extend design-time support for Windows forms model 326 and component namespace a ("System.Windows.Forms.ComponentModel") that contains the windows form implementation of the general component model defined in System.ComponentModel. This namespace contains designer tools, such as Visual Studio, which offer a rich experience for developers at design time.

• A drawing namespace 328 ("System.Drawing") containing classes for graphics functionality. The drawing namespace 328 includes a 2D drawing namespace 330 ("System.Drawing.Drawing2D") that contains classes and enumerations to provide advanced 2-dimmensional and vector graphics functionality, an imaging namespace 332 ("System.Drawing.Imaging") that contains classes for advanced imaging functionality, a printing namespace 334 ("System.Drawing.Printing") that contains classes to permit developers to customize printing, and a text namespace 336

lee@hayes.px 509-324-9256 MS1-864US.APP

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

("System.Drawing.Text") that contains classes for advanced typography functionality.

The data and XML namespace 204 is composed of two namespaces:

A data namespace 340 ("System.Data") containing classes that enable developers to build components that efficiently manage data from multiple data sources. It implements an architecture that, in a disconnected scenario (such as the Internet), provides tools to request, update, and reconcile data in multiple tier systems. The data namespace 340 includes a common namespace 342 that contains types shared by data providers. A data provider describes a collection of types used to access a data source, such as a database, in the managed space. The data namespace 340 also includes an OLE DB namespace 344 that contains types pertaining to data used in object-oriented databases (e.g., Microsoft's SQL Server), and a SQL client namespace 346 that contains types pertaining to data used by SQL clients. The data namespace also includes a SQL types namespace 348 ("System.Data.SqlTypes") that contains classes for native data types within Microsoft's SQL Server. The classes provide a safer, faster alternative to other data types. Using the objects within this namespace helps prevent type conversion errors caused in situations where loss of precision could occur. Because other data types are converted to and from SQL types behind the

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

scenes, explicitly creating and using objects within this namespace results in faster code as well.

An XML namespace 350 ("System.XML") containing classes that provide standards-based support for processing XML. The supported standards include XML (e.g., version 1.0), XML Namespaces (both stream level and DOM), XML Schemas, XPath expressions, XSL/T transformations, DOM Level 2 Core, and SOAP (e.g., version 1.1). The XML namespace 350 includes an XSLT namespace 352 ("System.XML.Xsl") that contains classes and enumerations to support XSLT (Extensible Stylesheet Language Transformations), an Xpath namespace 354 ("System.XML.Xpath") that contains an XPath parser and evaluation engine, and a serialization namespace 356 ("System.XML.Serialization") that contains classes used to serialize objects into XML format documents or streams.

The base class library namespace 206 ("System") includes the following namespaces:

- A collections namespace 360 ("System.Collections") containing interfaces and classes that define various collections of objects, such as lists, queues, arrays, hash tables and dictionaries.
- configuration 362 ("System.Configuration") Α namespace and interfaces that allow developers to containing classes programmatically access configuration settings and handle errors in configuration files.

- A diagnostics namespace 364 ("System.Diagnostics") containing classes that are used to debug applications and to trace code execution. The namespace allows developers to start system processes, read and write to event logs, and monitor system performance using performance counters.
- A globalization namespace 366 ("System.Globalization") containing classes that define culture-related information, including the language, the country/region, the calendars in use, the format patterns for dates, currency and numbers, and the sort order for strings.
- An I/O namespace 368 ("System.IO") containing the infrastructure pieces to operate with the intput/output of data streams, files, and directories. This namespace includes a model for working with streams of bytes, higher level readers and writers which consume those bytes, various constructions or implementations of the streams (e.g., FileStream and MemoryStream) and, a set of utility classes for working with files and directories.
- A net namespace 370 ("System.Net") providing an extensive set of classes for building network-enabled application, referred to as the Net Class Libraries (NCL). One element to the design of the Net Class Libraries is an extensible, layered approach to exposing networking functionality. The NCL stack contains three basic layers. A base layer (System.Net.Socket) provides access to an interface to TCP/IP, the communications protocol of UNIX networks and the Internet. One example of such an interface is the "WinSock

API" from Microsoft Corporation. The next layer is the Transport Protocol classes, which support such transport protocols as TCP and UDP. Developers may write their own protocol classes to provide support for protocols such as IGMP and ICMP. The third layer is the Web request, which provides an abstract factory pattern for the creation of other protocol classes. The NCL provides implementations for Hyper Text Transport Protocol (HTTP).

- A reflection namespace ("System.Reflection") 372 containing types that provide a managed view of loaded types, methods, and fields, with the ability to dynamically create and invoke types.
- A resources namespace 374 ("System.Resources") containing classes and interfaces that allow developers to create, store and manage various culture-specific resources used in an application.
- A security namespace 376 ("System.Security") supporting the underlying structure of the security system, including interfaces, attributes, exceptions, and base classes for permissions.
- A service process namespace 378 ("System.ServiceProcess") containing classes that allow developers to install and run services. Services are long-running executables that run without a user interface. They can be installed to run under a system account that enables them to be started at computer reboot. Services whose implementation is derived from processing in one class can define specific behavior for start, stop, pause, and continue commands, as well as behavior to take when the system shuts down.

- A text namespace 380 ("System.Text") containing classes representing various types of encodings (e.g., ASCII, Unicode, UTF-7, and UTF-8), abstract base classes for converting blocks of characters to and from blocks of bytes, and a helper class that manipulates and formats string objects without creating intermediate instances.
- A threading namespace 382 ("System.Threading") containing classes and interfaces that enable multi-threaded programming. The threading namespace includes a ThreadPool class that manages groups of threads, a Timer class that enables a delegate to be called after a specified amount of time, and a Mutex class for synchronizing mutually-exclusive threads. This namespace also provides classes for thread scheduling, wait notification, and deadlock resolution.
- A runtime namespace 384 ("System.Runtime") containing multiple namespaces concerning runtime features, including an interoperation services namespace 386 ("System.Runtime.InteropServices") that contains a collection of classes useful for accessing COM objects. The types in the InteropServices namespace fall into the following areas of functionality: attributes, exceptions, managed definitions of COM types, wrappers, type converters, and the Marshal class. The runtime namespace 384 further includes a remoting namespace 388 ("System.Runtime.Remoting") that contains classes and interfaces allowing developers to create and configure distributed applications. Another namespace within the runtime namespace 384 is a

serialization namespace 390 ("System.Runtime.Serialization") that contains classes used for serializing and deserializing objects. Serialization is the process of converting an object or a graph of objects into a linear sequence of bytes for either storage or transmission to another location.

The data namespace ("System.Data") contains classes that allow developers to build components to manage data from various data sources. The data namespace provides tools to request, update, and reconcile data in multiple tier systems. As discussed above, the data namespace 340 includes a common namespace 342 ("System.Data.Common"), an OLE DB namespace 344 ("System.Data.OleDb"), an SQL client namespace 346 ("System.Data.SqlClient"), and an SQL Types namespace 348 ("System.Data.SqlTypes").

The data namespace 340 contains various classes, including a constraint class that contains rules to maintain the integrity of data in a data table. A data column class provides the fundamental components for creating the schema of a data table. This schema is built by adding together one or more data column objects. A data column collection class defines the schema of a data table and determines the type of data each data column can contain. A data relation class is used to relate two data table objects to one another through data column objects.

The data namespace 340 also includes a data row class that provides a primary component of the data table. A data row collection contains the actual data for the data table. A data row change event and a data column change event occur when a change is made to a data row's value or a data column's value, respectively.

The common namespace 342 contains types shared by multiple data providers. The common namespace 342 also includes various classes, such as a data adapter class that allows for the exchange of data between a data source and a data set. A data column mapping class maps column names from a data source to corresponding column names in a data table. A data table mapping class maps data returned from a query of a data source to a data table.

The OLE DB namespace 344 includes a command builder class that automatically generates SQL statements for data table updates and a connection class that provides connections to a data source, such as a network server.

The SQL client namespace 346 also includes a command builder class. Additionally, the SQL client namespace includes a connection class that represents a unique session to an SQL server data source and a data adapter class that exchanges data between a data set and an SQL server for retrieving and saving data.

The SQL Types namespace contains classes for native data types within Microsoft's SQL Server.

Using these classes helps prevent type conversion errors caused in situations where loss of precision could occur. Other data types are converted to and from SQL types (behind the scenes), such that explicitly creating and using objects in the data namespace results in faster code. Specific details regarding the System. Data namespace are provided below.

lee @haves at: 509-324-9756

System.Data

Description

The **System.Data** namespace consists mostly of the classes that constitute the ADO.NET architecture. The ADO.NET architecture enables you to build components that efficiently manage data from multiple data sources. In a disconnected scenario (such as the Internet), ADO.NET provides the tools to request, update, and reconcile data in multiple tier systems. The ADO.NET architecture is also implemented in client applications, such as Windows Forms, or HTML pages created by ASP.NET.

AcceptRejectRule enumeration (System.Data)

Description

Determines the action that occurs when the

System.Data.DataSet.AcceptChanges or

System.Data.DataTable.RejectChanges method is invoked on a

System.Data.DataTable with a System.Data.ForeignKeyConstraint.

Changes to a System.Data.DataTable are not final until you call the System.Data.DataTable.AcceptChanges method. At that time, constraint-related errors can occur because any System.Data.ForeignKeyConstraint objects associated with a System.Data.DataTable are activated to allow deletions and edits to occur freely. Prior to that time, System.Data.ForeignKeyConstraint objects are inactive. When the System.Data.ForeignKeyConstraint becomes activated, and errors occur, System.Data.AcceptRejectRule is called to determine the next course of action.

lee@hayes pk \$19-324-9256 24 MS1-864US.APF

[C#] public const AcceptRejectRule Cascade; 2 [C++] public: const AcceptRejectRule Cascade; [VB] Public Const Cascade As AcceptRejectRule [JScript] public var Cascade : AcceptRejectRule; 5 6 Description 7 Changes are cascaded across the relationship. 8 9 [C#] public const AcceptRejectRule None; 10 [C++] public: const AcceptRejectRule None; 11 [VB] Public Const None As AcceptRejectRule 12 [JScript] public var None : AcceptRejectRule; 13 14 Description 15 No action occurs. 16 Methods: 17 CommandBehavior enumeration (System.Data) 18 **ToString** 19 20 21 Description 22 Specifies a description of the results and the affect on the database of the 23 query command. 24

The System.Data.CommandBehavior values are used by the System.Data.IDbCommand.ExecuteReader method of 2 System.Data.IDbCommand and any classes derived from it. 3 **ToString** 5 [C#] public const CommandBehavior CloseConnection; 6 [C++] public: const CommandBehavior CloseConnection; 7 [VB] Public Const CloseConnection As CommandBehavior 8 [JScript] public var CloseConnection: CommandBehavior; 9 10 Description 11 When the command is executed, the associated Connection object is closed 12 when the associated DataReader object is closed. 13 **ToString** 14 15 [C#] public const CommandBehavior Default; 16 [C++] public: const CommandBehavior Default; 17 [VB] Public Const Default As CommandBehavior 18 [JScript] public var Default : CommandBehavior; 19 **ToString** 20 21 [C#] public const CommandBehavior KeyInfo; 22 [C++] public: const CommandBehavior KeyInfo; 23 [VB] Public Const KeyInfo As CommandBehavior 24 [JScript] public var KeyInfo: CommandBehavior; 25

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

The query returns column and primary key information. The query is executed without any locking on the selected rows. When using
System.Data.CommandBehavior.KeyInfo, the SQL Server .NET Data Provider appends a FOR BROWSE clause to the statement being executed. The user should be aware of potential side effects, such as interference with the use of SET
FMTONLY ON statements. See SQL Server Books Online for more information.
ToString

[C#] public const CommandBehavior SchemaOnly;

[C++] public: const CommandBehavior SchemaOnly;

[VB] Public Const SchemaOnly As CommandBehavior

[JScript] public var SchemaOnly: CommandBehavior;

Description

The query returns column information only and does not affect the database state.

ToString

[C#] public const CommandBehavior SequentialAccess;

[C++] public: const CommandBehavior SequentialAccess;

[VB] Public Const Sequential Access As Command Behavior

[JScript] public var SequentialAccess : CommandBehavior;

Description
The 1

The results of the query are read sequentially to the column level. This allows an application to read large binary values using the **GetChars** or **GetBytes** methods of a .NET data provider. Execution of the query may affect the database state.

ToString

8

9

10

11

12

6

7

2

3

[C#] public const CommandBehavior SingleResult;

[C++] public: const CommandBehavior SingleResult;

[VB] Public Const SingleResult As CommandBehavior

[JScript] public var SingleResult : CommandBehavior;

13

14

Description

15

The query returns a single result. Execution of the query may affect the database state.

17

16

ToString

18

[C#] public const CommandBehavior SingleRow;

19 20

[C++] public: const CommandBehavior SingleRow;

21

[VB] Public Const SingleRow As CommandBehavior

22

[JScript] public var SingleRow : CommandBehavior;

23 24

Description

The query is expected to return a single row. Execution of the query may affect the database state. Some .NET data providers may, but are not required to, use this information to optimize the performance of the command. When you specify System.Data.CommandBehavior.SingleRow with the System.Data.OleDb.OleDbCommand.ExecuteReader method of the System.Data.OleDb.OleDbCommand object, the OLE DB .NET Data Provider performs binding using the OLE DB IRow interface if it is available. Otherwise, it uses the IRowset interface. If your SQL statement is expected to return only a single row, specifying System.Data.CommandBehavior.SingleRow can also improve application performance.

CommandType enumeration (System.Data)
ToString

Description

Specifies how a command string is interpreted.

When the System.Data.IDbCommand.CommandType property is set to StoredProcedure, set the System.Data.IDbCommand.CommandText property to the name of the stored procedure. The command executes this stored procedure when you call System.Data.IDbCommand.ExecuteReader.

ToString

[C#] public const CommandType StoredProcedure;

[C++] public: const CommandType StoredProcedure;

[VB] Public Const StoredProcedure As CommandType

	1	[JScript] public var StoredProcedure : CommandType;
	2	
	3	Description
	4	The name of a stored procedure.
	5	ToString
	6	
	7	[C#] public const CommandType TableDirect;
	8	[C++] public: const CommandType TableDirect;
į	9	[VB] Public Const TableDirect As CommandType
	10	[JScript] public var TableDirect : CommandType;
	11	
	. 12	Description
	13	A table name whose columns are all returned (OLE DB .NET Data
	14	Provider only).
	15	ToString
	16	
	17	[C#] public const CommandType Text;
	18	[C++] public: const CommandType Text;
	19	[VB] Public Const Text As CommandType
	20	[JScript] public var Text : CommandType;
	21	
	22	Description
	23	A SQL text command.
	24	ConnectionState enumeration (System.Data)
	25	ToString

2 Description 3 Returns the current state of the connection to a data source. The System.Data.ConnectionState values are used by the System.Data.OleDb.OleDbConnection.State property of the 6 System.Data.OleDb.OleDbConnection and 7 System.Data.SqlClient.SqlConnection objects. 8 **ToString** 9 10 [C#] public const ConnectionState Broken; 11 [C++] public: const ConnectionState Broken; 12 [VB] Public Const Broken As ConnectionState 13 [JScript] public var Broken: ConnectionState; 14 15 Description 16 The object is broken. This can occur only after the connection has been 17 opened. A connection in this state may be closed and then re-opened. 18 **ToString** 19 20 [C#] public const ConnectionState Closed; 21 [C++] public: const ConnectionState Closed; 22 [VB] Public Const Closed As ConnectionState 23

[JScript] public var Closed: ConnectionState;

1	
2	Description
3	The object is closed.
4	ToString
5	
6	[C#] public const ConnectionState Connecting;
7	[C++] public: const ConnectionState Connecting;
8	[VB] Public Const Connecting As ConnectionState
9	[JScript] public var Connecting : ConnectionState;
10	
11	Description
12	The object is connecting.
13	ToString
14	
15	[C#] public const ConnectionState Executing;
16	[C++] public: const ConnectionState Executing;
. 17	[VB] Public Const Executing As ConnectionState
18	[JScript] public var Executing : ConnectionState;
19	
20	Description
21	The object is executing a command.
22	ToString
23	
24	[C#] public const ConnectionState Fetching;
25	[C++] public: const ConnectionState Fetching;

14

15

16

17

18

19

20

21

22

23

1	[VB] Public Const Fetching As ConnectionState
2	[JScript] public var Fetching : ConnectionState;
3	
4	Description
5	Data is being retrieved.
6	ToString
7	
8	[C#] public const ConnectionState Open;
9	[C++] public: const ConnectionState Open;
10	[VB] Public Const Open As ConnectionState
11	[JScript] public var Open : ConnectionState;
12	

Description

The object is open.

Constraint class (System.Data)

ToString

Description

Represents a constraint that can be enforced on one or more System.Data.DataColumn objects.

A constraint is a rule used to maintain the integrity of the data in the System.Data.DataTable. For example, when you delete a value that is used in one or more related tables, a System.Data.ForeignKeyConstraint determines whether the values in the related tables are also deleted, set to null values, set to

	1	default values, or whether no action occurs. A System.Data.UniqueConstraint,
	2	on the other hand, simply ensures that all values within a particular table are
	3	unique. For more information, see .
	4	Constructors:
	5	Constraint
	6	Example Syntax:
	7	ToString
	8	
۵	9	[C#] protected Constraint();
	10	[C++] protected: Constraint();
	11	[VB] Protected Sub New()
## 	12	[JScript] protected function Constraint();
: :	13	Properties:
IJ L	14	_DataSet
	15	ToString
ie ie	16	
	17	[C#] protected internal virtual DataSet _DataSet {get;}
	18	[C++] internal:property virtual DataSet* getDataSet();
	19	[VB] Overridable Protected Friend ReadOnly Property _DataSet As DataSet
	20	[JScript] package function get _DataSet() : DataSet;
	21	
	22	Description
	23	Gets the System.Data.DataSet to which this constraint belongs.
	24	ConstraintName
	25	ToString

1	
2	[C#] public virtual string ConstraintName {get; set;}
3	[C++] public:property virtual String* get_ConstraintName();public:property
4	virtual void set_ConstraintName(String*);
5	[VB] Overridable Public Property ConstraintName As String
6	[JScript] public function get ConstraintName(): String;public function set
7	ConstraintName(String);
8	
9	Description
10	The name of a constraint in the System.Data.ConstraintCollection.
11	The System.Data.ConstraintCollection is returned by the
12	System.Data.DataTable.Constraints property of the System.Data.DataTable
13	class.
14	ExtendedProperties
15	ToString
16	
17	[C#] public PropertyCollection ExtendedProperties {get;}
18	[C++] public:property PropertyCollection* get_ExtendedProperties();
19	[VB] Public ReadOnly Property ExtendedProperties As PropertyCollection
20	[JScript] public function get ExtendedProperties(): PropertyCollection;
21	
22	Description
23	Gets the collection of customized user information.
24	
25	

	1	Use the System.Data.DataTable.ExtendedProperties to add custom
	2	information to a System.Data.DataTable. Add information with the Add method.
	3	Retrieve information with the Item method.
	4	Table
	5	ToString
	6	
	7	[C#] public abstract DataTable Table {get;}
	8	[C++] public:property virtual DataTable* get_Table() = 0;
	9	[VB] MustOverride Public ReadOnly Property Table As DataTable
o O	10	[JScript] public abstract function get Table() : DataTable;
	11	
() (7 :=	12	Description
	13	Gets the System.Data.DataTable to which the constraint applies.
	1:4	CheckStateForProperty
	15	
=	16	[C#] protected void CheckStateForProperty();
	17	[C++] protected: void CheckStateForProperty();
	18	[VB] Protected Sub CheckStateForProperty()
	19	[JScript] protected function CheckStateForProperty();
	20	·
	21	Description
	22	SetDataSet
	23	
	24	[C#] protected internal void SetDataSet(DataSet dataSet);
	25	[C++] protected public: void SetDataSet(DataSet* dataSet);

1	[VB] Protected Friend Dim Sub SetDataSet(ByVal dataSet As DataSet)
2	[JScript] package function SetDataSet(dataSet : DataSet);
3	
4	Description
5	Sets the constraint's System.Data.DataSet. The System.Data.DataSet to
6	which this constraint will belong.
7	ToString
8	
9	[C#] public override string ToString();
10	[C++] public: String* ToString();
11	[VB] Overrides Public Function ToString() As String
12	[JScript] public override function ToString(): String;
13	
14	Description
15	Gets the System.Data.Constraint.ConstraintName, if there is one, as a
16	string.
17	Return Value: The string value of the System.Data.Constraint.ConstraintName
18	
19	ConstraintCollection class (System.Data)
20	ToString
21	
22	,
23	Description
24	Represents a collection of constraints for a System.Data.DataTable.
25	

1	The System.Data.ConstraintCollection is accessed through the
2	System.Data.DataTable.Constraints property.
3	Count
4	IsReadOnly
5	IsSynchronized
6	Item
7	ToString
8	
9	
10	Description
11	Gets the System.Data.Constraint from the collection with the specified
12	name.
13	The System.Data.ConstraintCollection.Contains(System.String) method
14	can be used to test for the existence of a specific constraint. The
15	System.Data.Constraint.ConstraintName of the constraint to return.
16	Item
17	ToString
18	
19	[C#] public virtual Constraint this[int index] {get;}
20	[C++] public:property virtual Constraint* get_Item(int index);
21	[VB] Overridable Public Default ReadOnly Property Item(ByVal index As
22	Integer) As Constraint
23	[JScript] returnValue = ConstraintCollectionObject.Item(index); Gets the specified
24	System.Data.Constraint .
25	

$\boldsymbol{\tau}$		•	. •	
	10001	r r r	***	11/1
,,,	esci			,,,,
_	~~~	·P	***	•

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the **System.Data.Constraint** from the collection at the specified index.

The System.Data.ConstraintCollection.Contains(System.String) method can be used to test for the existence of a specific constraint. The index of the constraint to return.

List

ToString

[C#] protected override ArrayList List {get;}

[C++] protected: property virtual ArrayList* get List();

[VB] Overrides Protected ReadOnly Property List As ArrayList

[JScript] protected function get List(): ArrayList;

Description

Gets the list of objects contained by the collection.

SyncRoot

ToString

Description

Occurs when the **System.Data.ConstraintCollection** is changed through additions or removals.

For more information about handling events, see .

ij
Ü
Ш
ĮĀ
íTi
21
٠
i≓
 =

1	Add
2	
3	[C#] public void Add(Constraint constraint);
4	[C++] public: void Add(Constraint* constraint);
5	[VB] Public Sub Add(ByVal constraint As Constraint)
6	[JScript] public function Add(constraint : Constraint); Adds a constraint to the
7	System.Data.ConstraintCollection .
8	
9	Description
10	Adds the specified constraint to the collection.
11	If the collection is successfully changed by adding or removing constraints,
12	the System.Data.ConstraintCollection.CollectionChanged event occurs. The
13	System.Data.Constraint to add.
14	Add
15	
16	[C#] public virtual Constraint Add(string name, DataColumn column, bool
17	primaryKey);
18	[C++] public: virtual Constraint* Add(String* name, DataColumn* column, bool
19	primaryKey);
20	[VB] Overridable Public Function Add(ByVal name As String, ByVal column As
21	DataColumn, ByVal primaryKey As Boolean) As Constraint
22	[JScript] public function Add(name: String, column: DataColumn, primaryKey:
23	Boolean): Constraint;
24	·
25	Description
	2 3 4 4 5 5 6 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Constructs a new System.Data.UniqueConstraint, using the specified System.Data.DataColumn, and adds it to the collection.

The System.Data.ConstraintCollection.CollectionChanged event occurs if the constraint is added successfully. The name of the System.Data.UniqueConstraint. The System.Data.DataColumn affected by the

Add

[C#] public virtual Constraint Add(string name, DataColumn primaryKeyColumn, DataColumn foreignKeyColumn);

[C++] public: virtual Constraint* Add(String* name, DataColumn* primaryKeyColumn, DataColumn* foreignKeyColumn);

constraint. Indicates whether the column is a primary key column.

[VB] Overridable Public Function Add(ByVal name As String, ByVal primaryKeyColumn As DataColumn, ByVal foreignKeyColumn As DataColumn)
As Constraint

[JScript] public function Add(name : String, primaryKeyColumn : DataColumn, foreignKeyColumn : DataColumn) : Constraint;

Description

Constructs a new **System.Data.ForeignKeyConstraint**, with the specified parent and child columns, and adds the constraint to the collection.

A System.Data.ForeignKeyConstraint and

System.Data.UniqueConstraint are both created and added automatically when a

System.Data.DataRelation is added to a System.Data.DataSet object's

System.Data.DataRelationCollection . The

System.Data.ForeignKeyConstraint (which gets the same name as the System.Data.DataRelation) is added to the child table's System.Data.ConstraintCollection , and the System.Data.UniqueConstraint is added to the parent table's System.Data.ConstraintCollection . The name of the System.Data.UniqueConstraint. The primary key System.Data.DataColumn. The foreign key System.Data.DataColumn.

Add

[C#] public virtual Constraint Add(string name, DataColumn[] columns, bool primaryKey);

[C++] public: virtual Constraint* Add(String* name, DataColumn* columns[], bool primaryKey);

[VB] Overridable Public Function Add(ByVal name As String, ByVal columns()
As DataColumn, ByVal primaryKey As Boolean) As Constraint

[JScript] public function Add(name : String, columns : DataColumn[],

primaryKey: Boolean): Constraint;

Description

Constructs a new **System.Data.UniqueConstraint** using the specified array of **System.Data.DataColumn** objects, and adds it to the collection.

The System.Data.ConstraintCollection.CollectionChanged event occurs if the constraint is added successfully. The name of the System.Data.UniqueConstraint. An array of System.Data.DataColumn objects that are affected by the constraint. Indicates whether the columns are primary key columns.

Add

[C#] public virtual Constraint Add(string name, DataColumn[]
primaryKeyColumns, DataColumn[] foreignKeyColumns);
[C++] public: virtual Constraint* Add(String* name, DataColumn*
primaryKeyColumns[], DataColumn* foreignKeyColumns[]);
[VB] Overridable Public Function Add(ByVal name As String, ByVal
primaryKeyColumns() As DataColumn, ByVal foreignKeyColumns() As
DataColumn) As Constraint
[JScript] public function Add(name: String, primaryKeyColumns: DataColumn[],
foreignKeyColumns: DataColumn[]): Constraint;

Description

Constructs a new **System.Data.ForeignKeyConstraint**, with the specified parent columns and child columns, and adds the constraint to the collection.

A System.Data.ForeignKeyConstraint and a

System.Data.UniqueConstraint are created automatically when you add a System.Data.DataRelation to a System.Data.DataSet . In that case, adding a second System.Data.ForeignKeyConstraint on the same columns will result in an exception. To avoid this, use the System.Data.ForeignKeyConstraint constructor to create the System.Data.ForeignKeyConstraint and test it against existing collection members with the

System.Data.ForeignKeyConstraint.Equals(System.Object) method. The name of the System.Data.UniqueConstraint. An array of System.Data.DataColumn

objects that are the primary key columns. An array of **System.Data.DataColumn** objects that are the foreign key columns.

AddRange

1

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

25

[C#] public void AddRange(Constraint[] constraints);

[C++] public: void AddRange(Constraint* constraints[]);

[VB] Public Sub AddRange(ByVal constraints() As Constraint)

[JScript] public function AddRange(constraints : Constraint[]);

Description

Copies the elements of the specified **System.Data.ConstraintCollection** array to the end of the collection. An array of **System.Data.ConstraintCollection** objects to add to the collection.

CanRemove

[C#] public bool CanRemove(Constraint constraint);

[C++] public: bool CanRemove(Constraint* constraint);

[VB] Public Function CanRemove(ByVal constraint As Constraint) As Boolean

[JScript] public function CanRemove(constraint : Constraint) : Boolean;

Description

Indicates if a System.Data.Constraint can be removed.

Return Value: Generates an exception if the System.Data.Constraint can't be removed from collection. Otherwise, true if the System.Data.Constraint can be removed.

When a System.Data.DataRelation is added to a System.Data.DataSet, a System.Data.ForeignKeyConstraint and System.Data.UniqueConstraint are added automatically to the parent table and the child table. The System.Data.UniqueConstraint is applied to the parent table's primary key column, and the System.Data.ForeignKeyConstraint is applied to the child table's foreign key column. In that case, attempting to remove the System.Data.UniqueConstraint will cause an exception to be thrown because the System.Data.ForeignKeyConstraint must be removed first. To avoid this, use the System.Data.ConstraintCollection.CanRemove(System.Data.Constraint) to determine if a System.Data.UniqueConstraint can be removed. The System.Data.Constraint to be tested for removal from the collection.

Clear

[C#] public void Clear();

[C++] public: void Clear();

[VB] Public Sub Clear()

[JScript] public function Clear();

Description

Clears the collection of any System.Data.Constraint objects.

The **System.Data.ConstraintCollection.CollectionChanged** occurs if this action is successful.

Contains

[C#] public bool Contains(string name);

1	[C++] public: bool Contains(String* name);
2	[VB] Public Function Contains(ByVal name As String) As Boolean
3	[JScript] public function Contains(name : String) : Boolean;
4	
5	Description
6	Indicates whether the System.Data.Constraint, specified by name, exists
7	in the collection.
8	Return Value: true if the collection contains the specified constraint; otherwise,
9	false .
10	Use the System.Data.ConstraintCollection.Contains(System.String)
11	method to determine if the specified System.Data.Constraint exists before
12	attempting to remove it from the collection. You can also use the
13	System.Data.ConstraintCollection.CanRemove(System.Data.Constraint)
14	method to determine if a System.Data.Constraint can be removed. The
15	System.Data.Constraint.ConstraintName of the constraint.
16	IndexOf
17	
18	[C#] public int IndexOf(Constraint constraint);
19	[C++] public: int IndexOf(Constraint* constraint);
20	[VB] Public Function IndexOf(ByVal constraint As Constraint) As Integer
21	[JScript] public function IndexOf(constraint : Constraint) : int;
22	
23	Description
24	
25	

Gets the index of the specified System.Data.Constraint. 1 Return Value: The index of the System. Data. Constraint if it is in the collection; 2 otherwise, -1. 3 Use the System.Data.ConstraintCollection.IndexOf(System.Data.Constraint) method 5 to return an index to be used with either the 6 System.Data.ConstraintCollection.Contains(System.String) or 7 System.Data.ConstraintCollection.Remove(System.Data.Constraint) method. 8 The **System.Data.Constraint** to search for. 9 IndexOf 10 11 [C#] public virtual int IndexOf(string constraintName); 12 [C++] public: virtual int IndexOf(String* constraintName); 13 [VB] Overridable Public Function IndexOf(ByVal constraintName As String) As 14 Integer 15 [JScript] public function IndexOf(constraintName : String) : int; Gets the index of 16 the specified System.Data.Constraint. 17 18 Description 19 Gets the index of the **System.Data.Constraint**, specified by name. 20 Return Value: The index of the System. Data. Constraint if it is in the collection; 21 otherwise, -1. 22 Use the 23 System.Data.ConstraintCollection.IndexOf(System.Data.Constraint) method 24 to return an index to be used with either the

1	System.Data.ConstraintCollection.Contains(System.String) or
2	System.Data.ConstraintCollection.Remove(System.Data.Constraint) method.
3	The name of the System.Data.Constraint.
4	OnCollectionChanged
5	
6	[C#] protected virtual void OnCollectionChanged(CollectionChangeEventArgs
7	ccevent);
8	[C++] protected: virtual void OnCollectionChanged(CollectionChangeEventArgs*
9	ccevent);
10	[VB] Overridable Protected Sub OnCollectionChanged(ByVal ccevent As
11	CollectionChangeEventArgs)
12	[JScript] protected function OnCollectionChanged(ccevent:
13	CollectionChangeEventArgs);
14	
15	Description
16	Raises the System.Data.ConstraintCollection.CollectionChanged event.
17	Raising an event invokes the event handler through a delegate. For more
18	information, see . A System.ComponentModel.CollectionChangeEventArgs
19	that contains the event data.
20	Remove
21	
22	[C#] public void Remove(Constraint constraint);
23	[C++] public: void Remove(Constraint* constraint);
24	[VB] Public Sub Remove(ByVal constraint As Constraint)
25	[JScript] public function Remove(constraint : Constraint); Removes a

System.Data.Constraint from the System.Data.ConstraintCollection . 2 Description 3 Removes the specified System.Data.Constraint from the collection. Use the System.Data.ConstraintCollection.Contains(System.String) 5 method to determine if the collection contains the target System. Data. Constraint 6 . The System.Data.Constraint to remove. 7 Remove 8 9 [C#] public void Remove(string name); 10 [C++] public: void Remove(String* name); 11 [VB] Public Sub Remove(ByVal name As String) 12 [JScript] public function Remove(name : String); 13 14 Description 15 Removes the constraint, specified by name, from the collection. 16 Use the System.Data.ConstraintCollection.Contains(System.String) 17 method to determine if the collection contains the target System.Data.Constraint 18 . The name of the **System.Data.Constraint** to remove. 19 RemoveAt 20 21 [C#] public void RemoveAt(int index); 22 [C++] public: void RemoveAt(int index); 23 [VB] Public Sub RemoveAt(ByVal index As Integer) 24 [JScript] public function RemoveAt(index : int); 25

lee @hayes pac 509-324-9256

1	
2	Description
3	Removes the constraint at the specified index from the collection.
4	The
5	System.Data.ConstraintCollection.IndexOf(System.Data.Constraint) method
6	returns the index of a given System.Data.Constraint. The index of the
7	System.Data.Constraint to remove.
8	ConstraintException class (System.Data)
9	ToString
10	
11	
12	Description
13	Represents the exception that is thrown when attempting an action that
14	violates a constraint.
15	ConstraintException
16	Example Syntax:
17	ToString
18	
19	[C#] public ConstraintException();
20	[C++] public: ConstraintException();
21	[VB] Public Sub New()
22	[JScript] public function ConstraintException(); Initializes a new instance of the
23	System.Data.ConstraintException class.
24	
25	Description

1	Initializes a new instance of the System.Data.ConstraintException class
2	ConstraintException
3	Example Syntax:
4	ToString
5	
6	[C#] public ConstraintException(string s);
7	[C++] public: ConstraintException(String* s);
8	[VB] Public Sub New(ByVal s As String)
9	[JScript] public function ConstraintException(s : String);
10	
11	Description
12	Initializes a new instance of the System.Data.ConstraintException class
13	with the specified string. The string to display when the exception is thrown.
14	ConstraintException
15	Example Syntax:
16	ToString
17	
18	[C#] public ConstraintException(SerializationInfo info, StreamingContext
19	context);
20	[C++] public: ConstraintException(SerializationInfo* info, StreamingContext
21	context);
22	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
23	StreamingContext)
24	[JScript] public function ConstraintException(info : SerializationInfo, context :
25	StreamingContext); Initializes a new instance of the

System. Data. Constraint Exception	class.

Description

2

3

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Initializes a new instance of the **System.Data.ConstraintException** class. The data necessary to serialize or describing an object. Description of the source and destination of the specified serialized stream.

HelpLink

HResult

InnerException

Message

Source

StackTrace

TargetSite

DataColumn class (System.Data)

ToString

Description

Represents the schema of a column in a System.Data.DataTable.

The **System.Data.DataColumn** is the fundamental building block for creating the schema of a **System.Data.DataTable**. You build the schema by adding one or more **System.Data.DataColumn** objects to the

System.Data.DataColumnCollection . For more information, see .

DataColumn

Example Syntax:

1	ToString
2	
3	[C#] public DataColumn();
4	[C++] public: DataColumn();
5	[VB] Public Sub New()
6	[JScript] public function DataColumn(); Initializes a new instance of the
7	System.Data.DataColumn class.
8	
9	Description
10	Initializes a new instance of a System.Data.DataColumn class.
11	When created, a new System.Data.DataColumn object has no default
12	System.Data.DataColumn.ColumnName or
13	System.Data.DataColumn.Caption . When added to a
14	System.Data.DataColumnCollection, however, a default name ("Column1",
15	"Column2", etc.) is given to the column.
16	DataColumn
17	Example Syntax:
18	ToString
19	·
20	[C#] public DataColumn(string columnName);
21	[C++] public: DataColumn(String* columnName);
22	[VB] Public Sub New(ByVal columnName As String)
23	[JScript] public function DataColumn(columnName : String);
24	
25	Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Initializes a new instance of the **System.Data.DataColumn** class using the specified column name.

By default, the name given to a column becomes the System.Data.DataColumn.Caption property value. A string that represents the name of the column to be created. If set to null or an empty string (""), a default name will be given when added to the columns collection.

DataColumn

Example Syntax:

ToString

[C#] public DataColumn(string columnName, Type dataType);

[C++] public: DataColumn(String* columnName, Type* dataType);

[VB] Public Sub New(ByVal columnName As String, ByVal dataType As Type)

[JScript] public function DataColumn(columnName : String, dataType : Type);

Description

Inititalizes a new instance of the **System.Data.DataColumn** class using the specified column name and data type. A string that represents the name of the column to be created. If set to **null** or an empty string (""), a default name will be given when added to the columns collection. A supported

System.Data.DataColumn.DataType.

DataColumn

Example Syntax:

ToString

25

20

21

22

23

24

25

[C#] public DataColumn(string columnName, Type dataType, string expr); [C++] public: DataColumn(String* columnName, Type* dataType, String* expr); 3 [VB] Public Sub New(ByVal columnName As String, ByVal dataType As Type, ByVal expr As String) 5 [JScript] public function DataColumn(columnName : String, dataType : Type, 6 expr : String); 7 8 Description 9 Initializes a new instance of the System.Data.DataColumn class using the 10 specified name, data type, and expression. A string that represents the name of the 11 column to be created. If set to **null** or an empty string (""), a default name will be 12 given when added to the columns collection. A supported 13 System.Data.DataColumn.DataType. The expression used to create this 14 column. For more details, see the System.Data.DataColumn.Expression 15 property. 16 DataColumn 17 18

Example Syntax:

ToString

[C#] public DataColumn(string columnName, Type dataType, string expr,

MappingType type);

[C++] public: DataColumn(String* columnName, Type* dataType, String* expr,

MappingType type);

[VB] Public Sub New(ByVal columnName As String, ByVal dataType As Type,

55 lee@hayes at 509-324-9256 MS1-864US.APP ByVal expr As String, ByVal type As MappingType)

[JScript] public function DataColumn(columnName : String, dataType : Type, expr : String, type : MappingType);

Description

Initializes a new instance of the **System.Data.DataColumn** class using the specified name, data type, expression, and value that determines whether the column is an attribute.

The type argument sets the System.Data.DataColumn.ColumnMapping property. The property specifies how a System.Data.DataColumn is mapped when a System.Data.DataSet is transformed into an XML document. For example, if the the column is named "fName," and the value it contains is "Bob," and type is set to MappingType.Attribute, the XML element would be: For more details on how columns are mapped to elements or attributes, see the System.Data.DataColumn.ColumnMapping property. A string that represents the name of the column to be created. If set to null or an empty string (""), a default name will be given when added to the columns collection. A supported System.Data.DataColumn.DataType. The expression used to create this column. For more details, see the System.Data.DataColumn.Expression property. One of the System.Data.MappingType values.

AllowDBNull

ToString

[C#] public bool AllowDBNull {get; set;}

[C++] public: __property bool get_AllowDBNull();public: __property void

lee@haves.ox 939-924-9256 MS1-864US.APP

21

22

23

25

set AllowDBNull(bool); [VB] Public Property AllowDBNull As Boolean 2 [JScript] public function get AllowDBNull(): Boolean; public function set 3 AllowDBNull(Boolean); 5 Description 6 Gets or sets a value indicating whether null values are allowed in this 7 column for rows belonging to the table. 8 AutoIncrement 9 **ToString** 10 11 [C#] public bool AutoIncrement {get; set;} 12 [C++] public: __property bool get _AutoIncrement();public: __property void 13 set AutoIncrement(bool); 14 [VB] Public Property AutoIncrement As Boolean 15 [JScript] public function get AutoIncrement(): Boolean; public function set 16 AutoIncrement(Boolean); 17 18 Description 19

Gets or sets a value indicating whether the column automatically increments the value of the column for new rows added to the table.

If the type of this column is not Int16, Int32, or Int64 when this property is set, the System.Data.DataColumn.DataType property is coerced to Int32. An exception is generated if this is a computed column (that is, the System.Data.DataColumn.Expression property is set.) The incremented value is

used only if the row's value for this column, when added to the columns collection,
is equal to the default value.
AutoIncrementSeed
ToString
·
[C#] public long AutoIncrementSeed {get; set;}
[C++] public:propertyint64 get_AutoIncrementSeed();public:property
void set_AutoIncrementSeed(int64);
[VB] Public Property AutoIncrementSeed As Long
[JScript] public function get AutoIncrementSeed() : long;public function set
AutoIncrementSeed(long);
·
Description
Gets or sets the starting value for a column that has its
System.Data.DataColumn.AutoIncrement property set to true.
AutoIncrementStep
ToString
[C#] public long AutoIncrementStep {get; set;}
[C++] public:propertyint64 get_AutoIncrementStep();public:property
void set_AutoIncrementStep(int64);
[VB] Public Property AutoIncrementStep As Long
[JScript] public function get AutoIncrementStep(): long;public function set
AutoIncrementStep(long);

1	
2	Description
3	Gets or sets the increment used by a column with its
4	System.Data.DataColumn.AutoIncrement property set to true.
5	Caption
6	ToString
7	,
8	[C#] public string Caption {get; set;}
9	[C++] public:property String* get_Caption();public:property void
10	set_Caption(String*);
11	[VB] Public Property Caption As String
12	[JScript] public function get Caption() : String; public function set Caption(String);
13	·
14	Description
15	Gets or sets the caption for the column.
16	The System.Data.DataColumn.Caption value becomes visible in controls
17	that support its display. For example, the System.Windows.Forms.DataGrid
18	control is capable of displaying captions for each column.
19	ColumnMapping
20	ToString
21	
22	[C#] public virtual MappingType ColumnMapping {get; set;}
23	[C++] public:property virtual MappingType get_ColumnMapping();public:
24	property virtual void set_ColumnMapping(MappingType);
25	[VB] Overridable Public Property ColumnMapping As MappingType

1	[JScript] public function get ColumnMapping() : MappingType;public function set
2	ColumnMapping(MappingType);
3	
4	Description
5	Gets or sets the System.Data.MappingType of the column.
6	The System.Data.DataColumn.ColumnMapping property determines
7	how a System.Data.DataColumn is mapped when a System.Data.DataSet is
8	saved as an XML document using the
9	System.Data.DataSet.WriteXml(System.IO.Stream) method.
10	ColumnName
11	ToString
12	
13	[C#] public string ColumnName {get; set;}
14	[C++] public:property String* get_ColumnName();public:property void
15	set_ColumnName(String*);
16	[VB] Public Property ColumnName As String
17	[JScript] public function get ColumnName(): String; public function set
18	ColumnName(String);
19	
20	Description
21	Gets or sets the name of the column in the
22	System.Data.DataColumnCollection .
23	When a System.Data.DataColumn is created, it has no
24	System.Data.DataColumn.ColumnName value. When the
25	System.Data.DataColumn is added to a System.Data.DataTable object's

1	System.Data.DataColumnCollection, however, it is given a default name
2	("Column1", "Column2", etc.).
3	Container
4	DataType
5	ToString
6	
7	
8	Description
9	Gets or sets the type of data stored in the column.
10	Setting the System.Data.DataColumn.DataType value is critical to
11	ensuring the correct creation and updating of data in a DBMS.
12	DefaultValue
13	ToString
14	
15	[C#] public object DefaultValue {get; set;}
16	[C++] public:property Object* get_DefaultValue();public:property void
17	set_DefaultValue(Object*);
18	[VB] Public Property DefaultValue As Object
19	[JScript] public function get DefaultValue() : Object;public function set
20	DefaultValue(Object);
21	
22	Description
23	Gets or sets the default value for the column when creating new rows.
24	A default value is the value that is automatically assigned to the column
25	when a System. Data. DataRow is created. By setting a default value, you can gi

the user an idea of what information to input. On the other hand, you can use the **System.Data.DataColumn.DefaultValue** property to automatically insert a value that shouldn't be touched by the user; for example, the current date and time of the row's creation.

DesignMode

Events

Expression

ToString

Description

Gets or sets the expresssion used to filter rows, calculate the values in a column, or create an aggregate column.

One use of the **System.Data.DataColumn.Expression** property is to create calculated columns. For example, to calculate a tax value, the unit price is multiplied by a tax rate of a given region. Since tax rates vary from region to region, it would be impossible to put a single tax rate in a column; instead, the value is calculated using the **System.Data.DataColumn.Expression** property, as shown in the Visual Basic code below:

DataSet1.Tables("Products").Columns("tax").Expression = "UnitPrice * 0.086" A

second use is to create an aggregate column. Similar to a calculated value, an aggregate performs an operation based on the entire set of rows in the System.Data.DataTable. A simple example is to count the number of rows returned in the set, which is the method you would use to count the number of transactions completed by a particular salesperson, as shown in this Visual Basic

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

code: DataSet1.Tables("Orders").Columns("OrderCount").Expression = "Count(OrderID)" EXPRESSION SYNTAX When creating an expression, use the System.Data.DataColumn.ColumnName property to refer to columns. For example, if the System.Data.DataColumn.ColumnName for one column is "UnitPrice", and another "Quantity", the expression would be: "UnitPrice * Quantity" When creating an expression for a filter, enclose strings with single quotes: "LastName = 'Jones'" The following characters are special characters and must be escaped, as explained below, if they are to be used in a column name: \n (newline) \t (tab) \r (carriage return) \sim () #\/=><+- * % & | ^ ' " [] If a column name contains one of the above characters, the name must be wrapped in brackets. For example to use a column named "Column#" in an expression, you would write "[Column#]": Total * [Column#] Because brackets are special characters, you must use a slash ("\") to escape the bracket, if it is part of a column name. For example, a column named "Column[]" would be written: Total * [Column[\]] (Only the second bracket must be escaped.) USER-DEFINED VALUES Userdefined values may be used within expressions to be compared against column values. String values should be enclosed within single quotes. Date values should be enclosed within pound signs (#). Decimals and scientific notation are permissible for numeric values. For example: "FirstName = 'John'" "Price <= 50.00" "Birthdate < #1/31/82#" For columns that contain enumeration values, cast the value to an integer data type. For example: "EnumColumn = 5" OPERATORS Concatenation is allowed using Boolean AND, OR, and NOT operators. You can use parentheses to group clauses and force precedence. The AND operator has precedence over other operators. For example: (LastName = 'Smith' OR LastName = 'Jones') AND FirstName = 'John' When creating comparison expressions, the

15

16

17

18

19

20

21

22

23

24

25

1	following operators are allowed: <> <= >= <> = IN LIKE The following
2	arithmetic operators are also supported in expressions: + (addition) - (subtraction)
3	* (multiplication) / (division) % (modulus) STRING OPERATORS To
4	concatenate a string, use the + character. Whether string comparisons are case-
5	sensitive or not is determined by the value of the System.Data.DataSet class's
6	System.Data.DataSet.CaseSensitive property. However, you can override that
7	value with the System.Data.DataTable class's
8	System.Data.DataTable.CaseSensitive property.
9	ExtendedProperties
0	ToString
1	
2	[C#] public PropertyCollection ExtendedProperties {get;}
3	[C++] public:property PropertyCollection* get_ExtendedProperties();

[VB] Public ReadOnly Property ExtendedProperties As PropertyCollection

[JScript] public function get ExtendedProperties(): PropertyCollection;

Description

Gets the collection of custom user information.

The **System.Data.DataColumn.ExtendedProperties** property allows you to store custom information with the object. For example, you may store a time when the data should be refreshed.

MaxLength

ToString

[C#] public int MaxLength {get; set;}

1	[C++] public:property int get_MaxLength();public:property void
2	set_MaxLength(int);
3	[VB] Public Property MaxLength As Integer
4	[JScript] public function get MaxLength(): int;public function set
5	MaxLength(int);
6	
7	Description
8	Gets or sets the maximum length of a text column.
9	The System.Data.DataColumn.MaxLength property is ignored for non-
10	text columns.
11	Namespace
12	ToString
13	
14	[C#] public string Namespace {get; set;}
15	[C++] public:property String* get_Namespace();public:property void
16	set_Namespace(String*);
17	[VB] Public Property Namespace As String
18	[JScript] public function get Namespace(): String; public function set
19	Namespace(String);
20	
21	Description
22	Gets or sets the namespace of the System.Data.DataColumn.
23	The System.Data.DataColumn.Namespace property is used when reading
24	and writing an XML document into a System.Data.DataTable in the
25	System.Data.DataSet using the

1	System.Data.DataSet.ReadXml(System.Xml.XmlReader),
2	System.Data.DataSet.WriteXml(System.IO.Stream),
3	$System. Data. Data Set. Read Xml Schema (System. Xml. Xml Reader)\ , \ or$
4	System.Data.DataSet.WriteXmlSchema(System.IO.Stream) methods.
5	Ordinal
6	ToString
7	
8	[C#] public int Ordinal {get;}
9	[C++] public:property int get_Ordinal();
10	[VB] Public ReadOnly Property Ordinal As Integer
11	[JScript] public function get Ordinal(): int;
12	
13	Description
14	Gets the position of the column in the
15	System.Data.DataColumnCollection collection.
16	Prefix
17	ToString
18	
19	[C#] public string Prefix {get; set;}
20	[C++] public:property String* get_Prefix();public:property void
21	set_Prefix(String*);
22	[VB] Public Property Prefix As String
23	[JScript] public function get Prefix(): String; public function set Prefix(String);
24	
25	Description

Gets or sets an XML prefix that aliases the namespace of the System.Data.DataTable. 2 The System.Data.DataTable.Prefix is used throughout an XML document 3 to identify elements which belong to the System.Data.DataSet object's 4 namespace (as set by the System.Data.DataSet.Namespace property). 5 ReadOnly 6 **ToString** 7 8 [C#] public bool ReadOnly {get; set;} 9 [C++] public: property bool get ReadOnly(); public: property void 10 set_ReadOnly(bool); 11 [VB] Public Property ReadOnly As Boolean 12 [JScript] public function get ReadOnly(): Boolean; public function set 13 ReadOnly(Boolean); 14 15 Description 16 Gets or sets a value indicating whether the column allows changes once a 17 row has been added to the table. 18 Site 19 Table 20 **ToString** 21 22 23

Gets the System.Data.DataTable to which the column belongs to.

Description

24

25

Unique **ToString** 2 3 [C#] public bool Unique {get; set;} [C++] public: __property bool get _Unique();public: __property void 5 set Unique(bool); 6 [VB] Public Property Unique As Boolean 7 [JScript] public function get Unique(): Boolean; public function set 8 Unique(Boolean); 9 10 Description 11 Gets or sets a value indicating whether the values in each row of the 12 column must be unique. 13 You can also add a System.Data.UniqueConstraint to the 14 System.Data.DataTable to which this column belongs to ensure the values are 15 unique. 16 CheckNotAllowNull 17 18 [C#] protected internal void CheckNotAllowNull(); 19 [C++] protected public: void CheckNotAllowNull(); 20 [VB] Protected Friend Dim Sub CheckNotAllowNull() 21 [JScript] package function CheckNotAllowNull(); 22 23 Description 24

25

CheckUnique

1	
2	[C#] protected void CheckUnique();
3	[C++] protected: void CheckUnique();
4	[VB] Protected Sub CheckUnique()
5	[JScript] protected function CheckUnique();
6	
7	Description
8	Throws an exception and the name of any column if its Unique property set
9	to True and non-unique values are found in the column.
10	OnPropertyChanging
11	
12	[C#] protected internal virtual void
13	OnPropertyChanging(PropertyChangedEventArgs pcevent);
14	[C++] protected public: virtual void
15	OnPropertyChanging(PropertyChangedEventArgs* pcevent);
16	[VB] Overridable Protected Friend Dim Sub OnPropertyChanging(ByVal pcevent
17	As PropertyChangedEventArgs)
18	[JScript] package function OnPropertyChanging(pcevent:
19	PropertyChangedEventArgs);
20	
21	Description
22	Raises the
23	System. Data. Data Column. On Property Changing (System. Component Model. Page 1998) and the property of the
24	ropertyChangedEventArgs) event.
25	

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Raising an event invokes the event handler through a delegate. For an overview, see . A System.ComponentModel.PropertyChangedEventArgs that contains the event data.

RaisePropertyChanging

[C#] protected internal void RaisePropertyChanging(string name);

[C++] protected public: void RaisePropertyChanging(String* name);

[VB] Protected Friend Dim Sub RaisePropertyChanging(ByVal name As String)

[JScript] package function RaisePropertyChanging(name : String);

Description

Sends notification that the specified **System.Data.DataColumn** property is about to change. The name of the property that is about to change.

ToString

[C#] public override string ToString();

[C++] public: String* ToString();

[VB] Overrides Public Function ToString() As String

[JScript] public override function ToString(): String;

Description

Gets the **System.Data.DataColumn.Expression** of the column, if one exists.

Return Value: The System.Data.DataColumn.Expression value, if the property is set; otherwise, the System.Data.DataColumn.ColumnName property.

1	DataColumnChangeEventArgs class (System.Data)
2	ToString
3	
4	
5	Description
6	Provides data for the System.Data.DataTable.ColumnChanging event.
7	The System.Data.DataTable.ColumnChanging event occurs when a
8	change is made to a column's value in the System.Data.DataTable.
9	DataColumnChangeEventArgs
10	Example Syntax:
11	ToString
12	
13	[C#] public DataColumnChangeEventArgs(DataRow row, DataColumn column,
14	object value);
15	[C++] public: DataColumnChangeEventArgs(DataRow* row, DataColumn*
16	column, Object* value);
17	[VB] Public Sub New(ByVal row As DataRow, ByVal column As DataColumn,
18	ByVal value As Object)
19	[JScript] public function DataColumnChangeEventArgs(row: DataRow, column
20	DataColumn, value: Object);
21	
22	Description
23	Initializes a new instance of the
24	System.Data.DataColumnChangeEventArgs class. The System.Data.DataRow
25	

Description

24

Gets or sets the proposed value.

25

Row

·duti.	=	
ŧ	-	7
÷		1
il.	_	
100	1	1
Ē,		200
É	7	7
Ė	=	4,11,1
3		
Į,	=	1
٠,	-	1
į.		Ŀ
ŧ.	=	1
. tate,	=	3
Ē		=

[C#] public DataRow Row {get;}

[C++] public: property DataRow* get Row();

[VB] Public ReadOnly Property Row As DataRow

[JScript] public function get Row(): DataRow;

Description

Gets the System.Data.DataRow with a changing value.

DataColumnChangeEventHandler delegate (System.Data)

ToString

Description

Represents the method that will handle the the

System.Data.DataTable.ColumnChanging event. The source of the event. A System.Data.DataColumnChangeEventArgs that contains the event data.

When you create a **System.Data.DataColumnChangeEventHandler** delegate, you identify the method that will handle the event. To associate the event with your event handler, add an instance of the delegate to the event. The event handler is called whenever the event occurs, until you remove the delegate. For more information about delegates, see Represents the method that will handle the the **System.Data.DataTable.ColumnChanging** event.

DataColumnCollection class (System.Data)

ToString

9

2

3

5

6

10 11

12 13

15

14

16

17 18

19 20

21 22

23

24 25 Description

Represents a collection of System.Data.DataColumn objects for a System.Data.DataTable.

The System.Data.DataColumnCollection defines the schema of a System.Data.DataTable, and determines what kind of data each System.Data.DataColumn can contain. You can access the System.Data.DataColumnCollection through the System.Data.DataTable.Columns property of the System.Data.DataTable object.

Count

IsReadOnly

IsSynchronized

Item

ToString

System.Data.DataColumn

Description

Gets the System.Data.DataColumn from the collection at the specified index.

The System.Data.DataColumnCollection.Contains(System.String) method can be used to test for the existence of a column, which is useful before attempting to use System.Data.DataColumnCollection.Item(System.Int32). The zero-based index of the column to return.

1	Item
2	ToString
3	·
4	[C#] public virtual DataColumn this[string name] {get;}
5	[C++] public:property virtual DataColumn* get_Item(String* name);
6	[VB] Overridable Public Default ReadOnly Property Item(ByVal name As String
7	As DataColumn
8	[JScript] returnValue = DataColumnCollectionObject.Item(name);
9	
10	Description
11	Gets the System.Data.DataColumn from the collection with the specified
12	name.
13	System.Data.DataColumnCollection.Item(System.Int32) is not case-
14	sensitive when searching for column names. The
15	System.Data.DataColumn.ColumnName of the column to return.
16	List
17	ToString
18	
19	[C#] protected override ArrayList List {get;}
20	[C++] protected:property virtual ArrayList* get_List();
21	[VB] Overrides Protected ReadOnly Property List As ArrayList
22	[JScript] protected function get List(): ArrayList;
23	
24	Description
25	Gets the list of the collection items

SyncRoot **ToString** 2 3 Description 5 Occurs when the columns collection changes, either by adding or removing a column. 7 The System.Data.DataColumnCollection.Contains(System.String) and 8 System.Data.DataColumnCollection.CanRemove(System.Data.DataColumn) 9 methods can be used to determine if a column exists and can be removed. 10 Add 11 12 [C#] public virtual DataColumn Add(); 13 [C++] public: virtual DataColumn* Add(); 14 [VB] Overridable Public Function Add() As DataColumn 15 [JScript] public function Add(): DataColumn; 16 17 Description 18 Creates and adds a System.Data.DataColumn to a 19 System.Data.DataColumnCollection . 20 Return Value: The newly created System.Data.DataColumn. 21 A default name ("Column1", "Column2", etc.) is given to the column. 22 Add 23

[C#] public void Add(DataColumn column);

24

[C++] public: void Add(DataColumn* column); [VB] Public Sub Add(ByVal column As DataColumn) 2 [JScript] public function Add(column : DataColumn); Adds a 3 System.Data.DataColumn to the System.Data.DataColumnCollection. 4 5 Description 6 Adds the specified System.Data.DataColumn to the 7 System.Data.DataColumnCollection . 8 If the collection is successfully changed by adding or removing columns, 9 the System.Data.DataColumnCollection.CollectionChanged event occurs. The 10 System.Data.DataColumn to add. 11 Add 12 13 [C#] public virtual DataColumn Add(string columnName); 14 [C++] public: virtual DataColumn* Add(String* columnName); 15 [VB] Overridable Public Function Add(ByVal columnName As String) As 16 DataColumn 17 [JScript] public function Add(columnName : String) : DataColumn; 18 19 Description 20 Creates and adds a System.Data.DataColumn with the specified name to 21 the System.Data.DataColumnCollection. 22 Return Value: The newly created System.Data.DataColumn. 23 By default, the column's System.Data.DataColumn.DataType is string. 24

25

The name of the column.

ıΩ
ıØ
N
U
T
Ei
, ₁ ,
i

ĮС
[C
[V
tyŗ

9

1

2

3

4

5

6

7

10

12

14

16

17

18 19

20

21 22

23

24

"

Add

[C#] public virtual DataColumn Add(string columnName, Type type);

[C++] public: virtual DataColumn* Add(String* columnName, Type* type);

[VB] Overridable Public Function Add(ByVal columnName As String, ByVal type As Type) As DataColumn

[JScript] public function Add(columnName : String, type : Type) : DataColumn;

Description

Creates and adds a **System.Data.DataColumn** with the specified name and type to the **System.Data.DataColumnCollection** .

Return Value: The newly created System.Data.DataColumn .

If null or an empty string ("") is passed in for the name, a default name ("Column1", "Column2", etc.) is given to the column. The System.Data.DataColumn.ColumnName to create the column with. The column's System.Data.DataColumn.DataType.

Add

[C#] public virtual DataColumn Add(string columnName, Type type, string expression);

[C++] public: virtual DataColumn* Add(String* columnName, Type* type, String* expression);

[VB] Overridable Public Function Add(ByVal columnName As String, ByVal type As Type, ByVal expression As String) As DataColumn

[JScript] public function Add(columnName : String, type : Type, expression :

String): DataColumn; 2 Description 3 Creates and adds a System. Data. Data Column with the specified name, 4 type, and compute expression to the System.Data.DataColumnCollection. 5 Return Value: The newly created System.Data.DataColumn . 6 If **null** or an empty string ("") is passed in for the name, a default name 7 ("Column1", "Column2", etc.) is given to the column. The column name. The 8 System.Data.DataColumn.DataType of the column. The expression to assign to 9 the System.Data.DataColumn.Expression property. 10 AddRange 11 12 [C#] public void AddRange(DataColumn[] columns); 13 [C++] public: void AddRange(DataColumn* columns[]); 14 [VB] Public Sub AddRange(ByVal columns() As DataColumn) 15 [JScript] public function AddRange(columns : DataColumn[]); 16 17 Description 18 Copies the elements of the specified System.Data.DataColumn array to 19 the end of the collection. The array of System.Data.DataColumn objects to add 20 to the collection. 21 CanRemove 22 23 [C#] public bool CanRemove(DataColumn column); 24

[C++] public: bool CanRemove(DataColumn* column);

1	[VB] Public Function CanRemove(ByVal column As DataColumn) As Boolean
2	[JScript] public function CanRemove(column : DataColumn) : Boolean;
3	
4	Description
5	Checks whether a given column can be removed from the collection.
6	Return Value: true if the column can be removed; otherwise, false.
7	The
8	System.Data.DataColumnCollection.CanRemove(System.Data.DataColumn)
9	method performs several checks before returning a true or false including the
10	following: whether the column exists, belongs to the table, or is involved in a
11	constraint or relation. A System.Data.DataColumn in the collection.
12	Clear
13	<u>.</u>
14	[C#] public void Clear();
15	[C++] public: void Clear();
16	[VB] Public Sub Clear()
17	[JScript] public function Clear();
18	·
19	Description
20	Clears the collection of any columns.
21	If the collection is successfully changed by adding or removing columns, the
22	System.Data.DataColumnCollection.OnCollectionChanged(System.Compone
23	ntModel.CollectionChangeEventArgs) event occurs.
24	Contains

1	
2	[C#] public bool Contains(string name);
3	[C++] public: bool Contains(String* name);
4	[VB] Public Function Contains(ByVal name As String) As Boolean
5	[JScript] public function Contains(name : String) : Boolean;
6	
7	Description
8	Checks whether the collection contains a column with the specified name
9	Return Value: true if a column exists with this name; otherwise, false.
10	The System.Data.DataColumnCollection.Contains(System.String)
11	method can confirm the existence of a column before performing further
12	operations on the column. The System.Data.DataColumn.ColumnName of the
13	column.
14	IndexOf
15	
16	[C#] public virtual int IndexOf(DataColumn column);
17	[C++] public: virtual int IndexOf(DataColumn* column);
18	[VB] Overridable Public Function IndexOf(ByVal column As DataColumn) As
19	Integer
20	[JScript] public function IndexOf(column : DataColumn) : int;
21	- -
22	Description
23	Gets the index of a column specified by name.
24	Return Value: The index of the column specified by columnName if it is found;
25	otherwise, -1.

The 1 System.Data.DataColumnCollection.IndexOf(System.Data.DataColumn) 2 method is not case-sensitive. 3 IndexOf 4 5 [C#] public int IndexOf(string columnName); 6 [C++] public: int IndexOf(String* columnName); [VB] Public Function IndexOf(ByVal columnName As String) As Integer 8 [JScript] public function IndexOf(columnName : String) : int; Returns the index of 9 a column specified by name. 10 OnCollectionChanged 11 12 [C#] protected virtual void OnCollectionChanged(CollectionChangeEventArgs 13 ccevent); 14 [C++] protected: virtual void OnCollectionChanged(CollectionChangeEventArgs* 15 ccevent); 16 [VB] Overridable Protected Sub OnCollectionChanged(ByVal ccevent As 17 CollectionChangeEventArgs) 18 [JScript] protected function OnCollectionChanged(ccevent : 19 CollectionChangeEventArgs); 20 21 Description 22 Raises the 23 System.Data.DataColumnCollection.OnCollectionChanged(System.Compone 24 ntModel.CollectionChangeEventArgs) event. 25

Raising an event invokes the event handler through a delegate. For an overview, see . A System.ComponentModel.CollectionChangeEventArgs that contains the event data.

OnCollectionChanging

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

1

2

3

4

[C#] protected internal virtual void

OnCollectionChanging(CollectionChangeEventArgs ccevent);

[C++] protected public: virtual void

OnCollectionChanging(CollectionChangeEventArgs* ccevent);

[VB] Overridable Protected Friend Dim Sub OnCollectionChanging(ByVal ccevent As CollectionChangeEventArgs)

[JScript] package function OnCollectionChanging(ccevent :

CollectionChangeEventArgs);

Description

Raises the

System.Data.DataColumnCollection.OnCollectionChanging(System.ComponentModel.CollectionChangeEventArgs) event.

Raising an event invokes the event handler through a delegate. For an overview, see . A System.ComponentModel.CollectionChangeEventArgs that contains the event data.

Remove

23

24

[C#] public void Remove(DataColumn column);

[C++] public: void Remove(DataColumn* column);

[VB] Public Sub Remove(ByVal column As DataColumn) [JScript] public function Remove(column: DataColumn); Removes a column 2 from the collection. 3 Description 5 Removes the specified System.Data.DataColumn from the collection. 6 If the collection is successfully changed by adding or removing columns, the 7 System.Data.DataColumnCollection.OnCollectionChanged(System.Compone 8 ntModel.CollectionChangeEventArgs) event occurs. The 9 System.Data.DataColumn to remove. 10 Remove 11 12 [C#] public void Remove(string name); 13 [C++] public: void Remove(String* name); 14 [VB] Public Sub Remove(ByVal name As String) 15 [JScript] public function Remove(name : String); 16 17 Description 18 Removes the column with the specified name from the collection. 19 If the collection is successfully changed by adding or removing columns, the 20 System.Data.DataColumnCollection.OnCollectionChanged(System.Compone 21 ntModel.CollectionChangeEventArgs) event occurs. The name of the column to 22

RemoveAt

84

remove.

23

24

1	
2	[C#] public void RemoveAt(int index);
3	[C++] public: void RemoveAt(int index);
4	[VB] Public Sub RemoveAt(ByVal index As Integer)
5	[JScript] public function RemoveAt(index : int);
6	
7	Description
8	Removes the column at the specified index from the collection.
9	If the collection is successfully changed by adding or removing columns, the
10	System.Data.DataColumnCollection.OnCollectionChanged(System.Compone
11	ntModel.CollectionChangeEventArgs) event occurs. The index of the column to
12	remove.
13	DataException class (System.Data)
14	ToString
15	
16	
17	Description
18	Represents the exception that is thrown when errors are generated using
19	ADO.NET components.
20	DataException
21	Example Syntax:
22	ToString
23	
24	[C#] public DataException();
25	[C++] public: DataException();

1	[VB] Public Sub New()
2	[JScript] public function DataException();
3	
4	Description
5	Initializes a new instance of the System.Data.DataException class.
6	DataException
7	Example Syntax:
8	ToString
9	
10	[C#] public DataException(string s);
11	[C++] public: DataException(String* s);
12	[VB] Public Sub New(ByVal s As String)
13	[JScript] public function DataException(s : String);
14	
15	Description
16	Initializes a new instance of the System.Data.DataException class with
17	the specified string. The string to display when the exception is thrown.
18	DataException
19	Example Syntax:
20	ToString
21	
_ 22	[C#] public DataException(SerializationInfo info, StreamingContext context);
23	[C++] public: DataException(SerializationInfo* info, StreamingContext context);
24	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
25	StreamingContext)

[JScript] public function DataException(info: SerializationInfo, context: StreamingContext); Initializes a new instance of the **System.Data.DataException** class.

Description

Initializes a new instance of the **System.Data.DataException** class. The data necessary to serialize or describing an object. Description of the source and destination of the specified serialized stream.

DataException

Example Syntax:

ToString

[C#] public DataException(string s, Exception innerException);
 [C++] public: DataException(String* s, Exception* innerException);
 [VB] Public Sub New(ByVal s As String, ByVal innerException As Exception)
 [JScript] public function DataException(s: String, innerException: Exception);
 Initializes a new instance of the System.Data.DataException class.

Description

Initializes a new instance of the **System.Data.DataException** class with the specified string and inner exception.

You can create a new exception that catches an earlier exception. The code that handles the second exception can make use of the additional information from the earlier exception, also called an inner exception, to examine the cause of the

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

initial error. The string to display when the exception is thrown. A reference to an inner exception. HelpLink **HResult** InnerException Message Source StackTrace TargetSite DataRelation class (System.Data) **ToString** Description Represents a parent/child relationship between two System.Data.DataTable objects. A System.Data.DataRelation is used to relate two System.Data.DataTable objects to each other through System.Data.DataColumn objects. For example, in a Customer/Orders relationship, the Customers table is the parent and the Orders table is the child of the relationship. This is similar to a primary key/foreign key relationship. For more information, see .

DataRelation

Example Syntax:

ToString

٠ ١ [C#] public DataRelation(string relationName, DataColumn parentColumn, DataColumn childColumn); 3 [C++] public: DataRelation(String* relationName, DataColumn* parentColumn, 4 DataColumn* childColumn); 5 [VB] Public Sub New(ByVal relationName As String, ByVal parentColumn As 6 DataColumn, ByVal childColumn As DataColumn) 7 [JScript] public function DataRelation(relationName : String, parentColumn : 8 DataColumn, childColumn: DataColumn); Initializes a new instance of the 9 System.Data.DataRelation class. 10 11 Description 12 Initializes a new instance of the System. Data. DataRelation class using the 13 specified System. Data. Data Relation name, and parent and child 14 System.Data.DataColumn objects. The name of the System.Data.DataRelation 15 . If **null** or an empty string (""), a default name will be given when the created 16 object is added to the System.Data.DataRelationCollection. The parent 17 System.Data.DataColumn in the relationship. The child 18 System.Data.DataColumn in the relationship. 19 DataRelation 20 Example Syntax: 21 **ToString** 22 23 [C#] public DataRelation(string relationName, DataColumn[] parentColumns, 24

25

DataColumn[] childColumns);

1	[C++] public: DataRelation(String* relationName, DataColumn*
2	parentColumns[], DataColumn* childColumns[]);
3	[VB] Public Sub New(ByVal relationName As String, ByVal parentColumns() As
4	DataColumn, ByVal childColumns() As DataColumn)
5	[JScript] public function DataRelation(relationName : String, parentColumns :
6	DataColumn[], childColumns : DataColumn[]);
7	
8	Description
9	Initializes a new instance of the System.Data.DataRelation class using the
10	specified System.Data.DataRelation name and matched arrays of parent and
11	child System.Data.DataColumn objects. The name of the relation. If null or an
12	empty string (""), a default name will be given when the created object is added to
13	the System.Data.DataRelationCollection . An array of parent
14	System.Data.DataColumn objects. An array of child System.Data.DataColumn
15	objects.
16	DataRelation
17	Example Syntax:
18	ToString
19	
20	[C#] public DataRelation(string relationName, DataColumn parentColumn,
21	DataColumn childColumn, bool createConstraints);
22	[C++] public: DataRelation(String* relationName, DataColumn* parentColumn,
23	DataColumn* childColumn, bool createConstraints);
24	[VB] Public Sub New(ByVal relationName As String, ByVal parentColumn As
25	DataColumn, ByVal childColumn As DataColumn, ByVal createConstraints As

1	Boolean)
2	[JScript] public function DataRelation(relationName : String, parentColumn :
3	DataColumn, childColumn: DataColumn, createConstraints: Boolean);
4	
5	Description
6	Initializes a new instance of the System.Data.DataRelation class using the
7	specified name, parent and child System.Data.DataColumn objects, and a value
8	indicating whether to create constraints. The name of the relation. If null or an
9	empty string (""), a default name will be given when the created object is added to
10	the System.Data.DataRelationCollection. The parent
11	System.Data.DataColumn in the relation. The child System.Data.DataColumn
12	in the relation. A value indicating whether constraints are created.
13	DataRelation
14	Example Syntax:
15	ToString
16	
17	[C#] public DataRelation(string relationName, DataColumn[] parentColumns,
. 18	DataColumn[] childColumns, bool createConstraints);
19	[C++] public: DataRelation(String* relationName, DataColumn*
20	parentColumns[], DataColumn* childColumns[], bool createConstraints);
21	[VB] Public Sub New(ByVal relationName As String, ByVal parentColumns() As
22	DataColumn, ByVal childColumns() As DataColumn, ByVal createConstraints As
23	Boolean)
24	[JScript] public function DataRelation(relationName : String, parentColumns :
. 25	DataColumn[], childColumns : DataColumn[], createConstraints : Boolean);
•	

Description

Initializes a new instance of the System.Data.DataRelation class using the specified name, matched arrays of parent and child System.Data.DataColumn objects, and value indicating whether to create constraints. The name of the relation. If null or an empty string (""), a default name will be given when the created object is added to the System.Data.DataRelationCollection . An array of parent System.Data.DataColumn objects. An array of child System.Data.DataColumn objects. A value indicating whether to create constraints.

DataRelation

Example Syntax:

ToString

[C#] public DataRelation(string relationName, string parentTableName, string childTableName, string[] parentColumnNames, string[] childColumnNames, bool nested);

[C++] public: DataRelation(String* relationName, String* parentTableName, String* childTableName, String* parentColumnNames __gc[], String* childColumnNames __gc[], bool nested);

[VB] Public Sub New(ByVal relationName As String, ByVal parentTableName As String, ByVal childTableName As String, ByVal parentColumnNames() As String, ByVal childColumnNames() As String, ByVal nested As Boolean)

[JScript] public function DataRelation(relationName : String, parentTableName :

String, childTableName: String, parentColumnNames: String[],

childColumnNames : String[], nested : Boolean);

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Initializes a new instance of the System.Data.DataRelation class using the specified System. Data. Data Relation name, parent and child

System.Data.DataTable names, a matching array of parent and child

System.Data.DataColumn objects, and a value indicating whether relationships are nested. The name of the relation. If **null** or an empty string (""), a default name will be given when the created object is added to the

System.Data.DataRelationCollection . The name of the

System.Data.DataTable that is the parent table of the relation. The name of the System.Data.DataTable that is the child table of the relation. An array of System.Data.DataColumn object names in the parent System.Data.DataTable of the relation. An array of System.Data.DataColumn object namess in the child System.Data.DataTable of the relation. A value indicating whether relationships are nested.

ChildColumns

ToString

[C#] public virtual DataColumn[] ChildColumns {get;}

[C++] public: property virtual DataColumn* get ChildColumns();

[VB] Overridable Public ReadOnly Property ChildColumns As DataColumn ()

[JScript] public function get ChildColumns(): DataColumn[];

Description

1	dets the child System.Data.DataColumn objectsof this relation.
2	ChildKeyConstraint
3	ToString
4	
5	[C#] public virtual ForeignKeyConstraint ChildKeyConstraint {get;}
6	[C++] public:property virtual ForeignKeyConstraint*
7	get_ChildKeyConstraint();
8	[VB] Overridable Public ReadOnly Property ChildKeyConstraint As
9	ForeignKeyConstraint
10	[JScript] public function get ChildKeyConstraint(): ForeignKeyConstraint;
11	
12	Description
13	Gets the System.Data.ForeignKeyConstraint for the relation.
14	ChildTable
15	ToString
16	
17	[C#] public virtual DataTable ChildTable {get;}
18	[C++] public:property virtual DataTable* get_ChildTable();
19	[VB] Overridable Public ReadOnly Property ChildTable As DataTable
20	[JScript] public function get ChildTable() : DataTable;
21	
22	Description
23	Gets the child table of this relation.
24	DataSet
25	ToString

1	
2	[C#] public virtual DataSet DataSet {get;}
3	[C++] public:property virtual DataSet* get_DataSet();
4	[VB] Overridable Public ReadOnly Property DataSet As DataSet
5	[JScript] public function get DataSet() : DataSet;
6	
7	Description
8	Gets the System.Data.DataSet to which the System.Data.DataRelation
9	belongs.
10	The System.Data.DataRelationCollection associated with a
11	System.Data.DataSet is accessed through the System.Data.DataSet.Relations
12	property of the System.Data.DataSet object.
13	ExtendedProperties
14	ToString
15	•
16	[C#] public PropertyCollection ExtendedProperties {get;}
17	[C++] public:property PropertyCollection* get_ExtendedProperties();
18	[VB] Public ReadOnly Property ExtendedProperties As PropertyCollection
19	[JScript] public function get ExtendedProperties(): PropertyCollection;
20	
21	Description
22	Gets the collection that stores customized properties.
23	Nested
24	ToString
25	

1	
2	[C#] public virtual bool Nested {get; set;}
3	[C++] public:property virtual bool get_Nested();public:property virtual void
4	set_Nested(bool);
5	[VB] Overridable Public Property Nested As Boolean
6	[JScript] public function get Nested(): Boolean; public function set
7	Nested(Boolean);
8	
9	Description
10	Gets or sets a value indicating whether System.Data.DataRelation objects
11	are nested.
12	You can use System.Data.DataRelation objects to define hierarchical
13	relationships, such as those specified in XML. For more information, see .
14	ParentColumns
15	ToString
16	
17	[C#] public virtual DataColumn[] ParentColumns {get;}
18	[C++] public:property virtual DataColumn* get_ParentColumns();
19	[VB] Overridable Public ReadOnly Property ParentColumns As DataColumn ()
20	[JScript] public function get ParentColumns(): DataColumn[];
21	
22	Description
23	Gets an array of System.Data.DataColumn objects that are the parent
24	columns of this System.Data.DataRelation.
25	ParentKeyConstraint

25

ToString

1	
2	[C#] public virtual string RelationName {get; set;}
3	[C++] public:property virtual String* get_RelationName();public:property
4	virtual void set_RelationName(String*);
5	[VB] Overridable Public Property RelationName As String
6	[JScript] public function get RelationName(): String; public function set
7	RelationName(String);
8	
9	Description
10	Gets or sets the name used to retrieve a System.Data.DataRelation from
11	the System.Data.DataRelationCollection
12	Use the System.Data.DataRelation.RelationName property to retrieve a
13	System.Data.DataRelation from the System.Data.DataRelationCollection.
14	CheckStateForProperty
15	
16	[C#] protected void CheckStateForProperty();
17	[C++] protected: void CheckStateForProperty();
18	[VB] Protected Sub CheckStateForProperty()
19	[JScript] protected function CheckStateForProperty();
20	
21	Description
22	Ensures that the System.Data.DataRelation is a valid object.
23	System.Data.DataRelation.CheckStateForProperty verifies the validity
24	of a System.Data.DataRelation object, even if it does not belong to a
25	System.Data.DataSet .

[C#] public override string ToString();

25

lee@hayes øx 509-324-9256

1	[C++] public: String* ToString();
2	[VB] Overrides Public Function ToString() As String
3	[JScript] public override function ToString() : String;
4	
5	Description
6	Gets the System.Data.DataRelation.RelationName, if one exists.
7	Return Value: The value of the System.Data.DataRelation.RelationName
8	property.
9	DataRelationCollection class (System.Data)
10	ToString
11	
12	
13	Description
14	Represents the collection of System.Data.DataRelation objects for this
15	System.Data.DataSet .
16	A System.Data.DataRelationCollection object enables navigation
17	between related parent/child System.Data.DataTable objects.
18	DataRelationCollection
19	Example Syntax:
20	ToString
21	
22	[C#] protected DataRelationCollection();
23	[C++] protected: DataRelationCollection();
24	[VB] Protected Sub New()
25	[JScript] protected function DataRelationCollection();

Count IsReadOnly **IsSynchronized** Item **ToString** 7 Description 8 Gets the System.Data.DataRelation object specified by name. The name 9 of the relation to find. 10 Item 11 **ToString** 12 13 [C#] public abstract DataRelation this[int index] {get;} 14 [C++] public: __property virtual DataRelation* get_Item(int index) = 0; 15 [VB] MustOverride Public Default ReadOnly Property Item(ByVal index As 16 Integer) As DataRelation 17 [JScript] abstract returnValue = DataRelationCollectionObject.Item(index); Gets 18 the specified System.Data.DataRelation from the collection. 19 20 Description 21 22

Gets the **System.Data.DataRelation** object at the specified index. The zero-based index to find.

List

23

24

25

SyncRoot

1	ToString
2	
3	
4	Description
5	Occurs when the collection has changed.
6	Add
7	
8	[C#] public void Add(DataRelation relation);
9	[C++] public: void Add(DataRelation* relation);
10	[VB] Public Sub Add(ByVal relation As DataRelation)
11	[JScript] public function Add(relation : DataRelation); Adds a
12	System.Data.DataRelation to the System.Data.DataRelationCollection .
13	
14	Description
15	Adds a System.Data.DataRelation to the
16	System.Data.DataRelationCollection .
17	If the relation is sucessfully added to the collection, the
18	System.Data.DataRelationCollection.CollectionChanged event fires. The
19	DataRelation to add to the collection.
20	Add
21	
22	[C#] public virtual DataRelation Add(DataColumn parentColumn, DataColumn
23	childColumn);
24	[C++] public: virtual DataRelation* Add(DataColumn* parentColumn,
25	DataColumn* childColumn);

[VB] Overridable Public Function Add(ByVal parentColumn As DataColumn, 1 ByVal childColumn As DataColumn) As DataRelation 2 [JScript] public function Add(parentColumn: DataColumn, childColumn: 3 DataColumn): DataRelation; 4 5 Description 6 Creates a relation given the parameters and adds it to the collection. The 7 name is defaulted. An ArgumentException is generated if this relation already 8 belongs to this collection or belongs to another collection. An 9 InvalidConstraintException is generated if the relation can't be created based on 10 the parameters. The CollectionChanged event is fired if it succeeds. 11 Return Value: The created relation. parent column of relation. child column of 12 relation. 13 Add 14 15 [C#] public virtual DataRelation Add(DataColumn[] parentColumns, 16 DataColumn[] childColumns); 17 [C++] public: virtual DataRelation* Add(DataColumn* parentColumns[], 18 DataColumn* childColumns[]); 19 [VB] Overridable Public Function Add(ByVal parentColumns() As DataColumn, 20 ByVal childColumns() As DataColumn) As DataRelation 21 [JScript] public function Add(parentColumns : DataColumn[], childColumns : 22 DataColumn[]): DataRelation; 23 24 Description 25

ì

Creates a relation given the parameters and adds it to the collection. The name is defaulted. An ArgumentException is generated if this relation already belongs to this collection or belongs to another collection. An InvalidConstraintException is generated if the relation can't be created based on the parameters. The CollectionChanged event is fired if it succeeds.

Return Value: The created relation. parent columns of relation. child columns of relation.

Add

[C#] public virtual DataRelation Add(string name, DataColumn parentColumn, DataColumn childColumn);

[C++] public: virtual DataRelation* Add(String* name, DataColumn* parentColumn, DataColumn* childColumn);

[VB] Overridable Public Function Add(ByVal name As String, ByVal parentColumn As DataColumn, ByVal childColumn As DataColumn) As DataRelation

[JScript] public function Add(name : String, parentColumn : DataColumn, childColumn : DataColumn) : DataRelation;

Description

Creates a relation given the parameters and adds it to the collection. An ArgumentException is generated if this relation already belongs to this collection or belongs to another collection. A DuplicateNameException is generated if this collection already has a relation with the same name (case insensitive). An InvalidConstraintException is generated if the relation can't be created based on

the parameters. The CollectionChanged event is fired if it succeeds. Return Value: The created relation. The name of the relation, parent column of 2 relation. child column of relation. 3 Add 5 [C#] public virtual DataRelation Add(string name, DataColumn[] parentColumns, 6 DataColumn[] childColumns); 7 [C++] public: virtual DataRelation* Add(String* name, DataColumn* 8 parentColumns[], DataColumn* childColumns[]); 9 [VB] Overridable Public Function Add(ByVal name As String, ByVal 10 parentColumns() As DataColumn, ByVal childColumns() As DataColumn) As 11 **DataRelation** 12 [JScript] public function Add(name : String, parentColumns : DataColumn[], 13 childColumns : DataColumn[]) : DataRelation; 14 15 Description 16 Creates a System. Data. DataRelation with the specified name, and arrays 17 of parent and child columns, and adds it to the collection. 18 Return Value: The created DataRelation. 19 If the relation is successfully added to the collection, the 20 21 22

System.Data.DataRelationCollection.CollectionChanged event fires. The name of the DataRelation to create. An array of parent System.Data.DataColumn objects. An array of child DataColumn objects. Add

25

23

[C#] public virtual DataRelation Add(string name, DataColumn parentColumn, DataColumn childColumn, bool createConstraints);
[C++] public: virtual DataRelation* Add(String* name, DataColumn* parentColumn, DataColumn* childColumn, bool createConstraints);
[VB] Overridable Public Function Add(ByVal name As String, ByVal parentColumn As DataColumn, ByVal childColumn As DataColumn, ByVal createConstraints As Boolean) As DataRelation
[JScript] public function Add(name: String, parentColumn: DataColumn, childColumn: DataColumn, createConstraints: Boolean): DataRelation;

Description

Creates a relation given the parameters and adds it to the collection. An ArgumentException is generated if this relation already belongs to this collection or belongs to another collection. A DuplicateNameException is generated if this collection already has a relation with the same name (case insensitive). An InvalidConstraintException is generated if the relation can't be created based on the parameters. The CollectionChanged event is fired if it succeeds.

Return Value: The created relation. The name of the relation. parent column of relation. child column of relation. whether to create a constraints

Add

[C#] public virtual DataRelation Add(string name, DataColumn[] parentColumns, DataColumn[] childColumns, bool createConstraints);

[C++] public: virtual DataRelation* Add(String* name, DataColumn*

parentColumns[], DataColumn* childColumns[], bool createConstraints);
[VB] Overridable Public Function Add(ByVal name As String, ByVal
parentColumns() As DataColumn, ByVal childColumns() As DataColumn, ByVal
createConstraints As Boolean) As DataRelation
[JScript] public function Add(name: String, parentColumns: DataColumn[],
childColumns: DataColumn[], createConstraints: Boolean): DataRelation;

Description

Creates a **System.Data.DataRelation** with the specified name, arrays of parent and child columns, and value specifying whether to create a constraint, and adds it to the collection.

Return Value: The created relation. The name of the **DataRelation** to create. An array of parent **System.Data.DataColumn** objects. An array of child **DataColumn** objects. **true** to create a constraint; otherwise **false**.

AddCore

[C#] protected virtual void AddCore(DataRelation relation);
 [C++] protected: virtual void AddCore(DataRelation* relation);
 [VB] Overridable Protected Sub AddCore(ByVal relation As DataRelation)
 [JScript] protected function AddCore(relation: DataRelation);

Description

Performs verification on the table. An ArgumentNullException is generated if this relation is null. An ArgumentException is generated if this relation already belongs to this collection, belongs to another collection. A

DuplicateNameException is generated if this collection already has a relation with the same name (case insensitive). The relation to check. 2 AddRange 3 [C#] public virtual void AddRange(DataRelation[] relations); 5 [C++] public: virtual void AddRange(DataRelation* relations[]); 6 [VB] Overridable Public Sub AddRange(ByVal relations() As DataRelation) 7 [JScript] public function AddRange(relations : DataRelation[]); 8 9 Description 10 Copies the elements of the specified System.Data.DataRelation array to 11 the end of the collection. The array of System.Data.DataRelation objects to add 12 to the collection. 13 CanRemove 14 15 [C#] public virtual bool CanRemove(DataRelation relation); 16 [C++] public: virtual bool CanRemove(DataRelation* relation); 17 [VB] Overridable Public Function CanRemove(ByVal relation As DataRelation) 18 As Boolean 19 [JScript] public function CanRemove(relation : DataRelation) : Boolean; Verifies 20 if a given relation can be removed from the collection. 21 Clear 22 23 [C#] public virtual void Clear(); 24

25

[C++] public: virtual void Clear();

1	[VB] Overridable Public Sub Clear()
2	[JScript] public function Clear();
3	
4	Description
5	Clears the collection of any relations.
6	Contains
7	,
8	[C#] public virtual bool Contains(string name);
9	[C++] public: virtual bool Contains(String* name);
10	[VB] Overridable Public Function Contains(ByVal name As String) As Boolean
11	[JScript] public function Contains(name : String) : Boolean;
12	
13	Description
14	Gets a value of true if this collection has a relation with the given name
15	(case insensitive), false otherwise.
16	Return Value: Whether a relation exists with this name. name to test.
17	GetDataSet
18	
19	[C#] protected abstract DataSet GetDataSet();
20	[C++] protected: virtual DataSet* GetDataSet() = 0;
21	[VB] MustOverride Protected Function GetDataSet() As DataSet
22	[JScript] protected abstract function GetDataSet(): DataSet;
23	·
24	Description
25	

Gets the dataset for this collection. Return Value: The dataSet. 2 IndexOf 3 [C#] public virtual int IndexOf(DataRelation relation); 5 [C++] public: virtual int IndexOf(DataRelation* relation); 6 [VB] Overridable Public Function IndexOf(ByVal relation As DataRelation) As 7 Integer 8 [JScript] public function IndexOf(relation : DataRelation) : int; Returns the index of a specified System.Data.DataRelation. 10 IndexOf 11 12 [C#] public virtual int IndexOf(string relationName); 13 [C++] public: virtual int IndexOf(String* relationName); 14 [VB] Overridable Public Function IndexOf(ByVal relationName As String) As 15 Integer 16 [JScript] public function IndexOf(relationName : String) : int; Returns the index of 17 the relation with the given name (case insensitive), or -1 if the relation doesn't 18 exist in the collection. 19 **OnCollectionChanged** 20 21 [C#] protected virtual void OnCollectionChanged(CollectionChangeEventArgs 22 ccevent); 23 [C++] protected: virtual void OnCollectionChanged(CollectionChangeEventArgs* 24 ccevent); 25

1	[VB] Overridable Protected Sub OnCollectionChanged(ByVal ccevent As
2	CollectionChangeEventArgs)
3	[JScript] protected function OnCollectionChanged(ccevent:
4	CollectionChangeEventArgs);
5	
6	Description
7	Raises the
8	System. Data. Data Relation Collection. On Collection Changed (System. Component) and the component of the
9	ntModel.CollectionChangeEventArgs) event.
10	Raising an event invokes the event handler through a delegate. For an
11	overview, see . A System.ComponentModel.CollectionChangeEventArgs that
12	contains the event data.
13	OnCollectionChanging
14	
15	[C#] protected internal virtual void
16	OnCollectionChanging(CollectionChangeEventArgs ccevent);
17	[C++] protected public: virtual void
18	OnCollectionChanging(CollectionChangeEventArgs* ccevent);
19	[VB] Overridable Protected Friend Dim Sub OnCollectionChanging(ByVal
20	ccevent As CollectionChangeEventArgs)
21	[JScript] package function OnCollectionChanging(ccevent:
22	CollectionChangeEventArgs);
23	
24	Description
25	

Raises the

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.DataRelationCollection.OnCollectionChanging(System.ComponentModel.CollectionChangeEventArgs) event.

Raising an event invokes the event handler through a delegate. For an overview, see . A System.ComponentModel.CollectionChangeEventArgs that contains the event data.

Remove

[C#] public void Remove(DataRelation relation);

[C++] public: void Remove(DataRelation* relation);

[VB] Public Sub Remove(ByVal relation As DataRelation)

[JScript] public function Remove(relation: DataRelation); Removes the specified relation from the collection.

Description

Removes the specified relation from the collection. An

ArgumentNullException is generated if this relation is null. An

ArgumentException is generated if this relation doesn't belong to this collection.

The CollectionChanged event is fired if it succeeds. The relation to remove.

Remove

[C#] public void Remove(string name);

[C++] public: void Remove(String* name);

[VB] Public Sub Remove(ByVal name As String)

[JScript] public function Remove(name : String);

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Removes the relation with the specified name from the collection. An IndexOutOfRangeException is generated if this collection doesn't have a relation with that name The CollectionChanged event is fired if it succeeds. The name of the relation to remove.

RemoveAt

[C#] public void RemoveAt(int index);

[C++] public: void RemoveAt(int index);

[VB] Public Sub RemoveAt(ByVal index As Integer)

[JScript] public function RemoveAt(index: int);

Description

Removes the relation at the specified index from the collection. An IndexOutOfRangeException is generated if this collection doesn't have a relation at this index. The CollectionChanged event is fired if it succeeds. The index at which to remove a relation.

RemoveCore

[C#] protected virtual void RemoveCore(DataRelation relation);

[C++] protected: virtual void RemoveCore(DataRelation* relation);

[VB] Overridable Protected Sub RemoveCore(ByVal relation As DataRelation)

[JScript] protected function RemoveCore(relation : DataRelation);

Description

Does verification on the relation. An ArgumentNullException is generated if this relation is null. An ArgumentException is generated if this relation doesn't belong to this collection. The relation to check.

DataRow class (System.Data)

ToString

Description

Represents a row of data in a System.Data.DataTable.

The System.Data.DataRow and System.Data.DataColumn objects are primary components of a System.Data.DataTable . Use the System.Data.DataRow object and its properties and methods to retrieve and evaluate; and insert, delete, and update the values in the System.Data.DataTable . The System.Data.DataRowCollection represents the actual System.Data.DataRow objects in the System.Data.DataTable , and the System.Data.DataColumnCollection contains the System.Data.DataColumn objects that describe the schema of the System.Data.DataTable . Use the overloaded System.Data.DataRow.Item(System.Int32) property to return or sets the value of a System.Data.DataColumn .

DataRow

Example Syntax:

ToString

1	
2	[C#] protected internal DataRow(DataRowBuilder builder);
3	[C++] internal: DataRow(DataRowBuilder* builder);
4	[VB] Protected Friend Sub New(ByVal builder As DataRowBuilder)
5	[JScript] package function DataRow(builder : DataRowBuilder);
6	
7	Description
8	Initializes a new instance of the DataRow. builder
9	HasErrors
10	ToString
11	
12	[C#] public bool HasErrors {get;}
13	[C++] public:property bool get_HasErrors();
14	[VB] Public ReadOnly Property HasErrors As Boolean
15	[JScript] public function get HasErrors(): Boolean;
16	
17	Description
18	Gets a value indicating whether there are errors in a columns collection.
19	When validating data, you can set an error on any column in a row. Such a
20	column, when displayed in the System. Windows. Forms. Data Grid control, is
21	marked with a red exclamation point to signal the user that the column is in error.
22	Item
23	ToString
24	
25	[C#] public object this[string columnName] {get; set;}

1	[C++] public:property Object* get_Item(String* columnName);public:
2	property void set_Item(String* columnName, Object*);
3	[VB] Public Default Property Item(ByVal columnName As String) As Object
4	[JScript] returnValue =
5	DataRowObject.Item(columnName);DataRowObject.Item(columnName) =
6	returnValue;
7	
8	Description
9	Gets or sets the data stored in the column specified by name.
10	When setting the property, an exception is generated if an exception occurs
11	in the System.Data.DataTable.ColumnChanging event. The name of the
12	column.
13	Item
14	ToString
15	• .
16	[C#] public object this[DataColumn column] {get; set;}
17	[C++] public:property Object* get_Item(DataColumn* column);public:
18	property void set_Item(DataColumn* column, Object*);
19	[VB] Public Default Property Item(ByVal column As DataColumn) As Object
20	[JScript] returnValue =
21	DataRowObject.Item(column);DataRowObject.Item(column) = returnValue;
22	
23	Description
24	Gets or sets the data stored in the specified System.Data.DataColumn.
25	

1	When setting the property, an exception is generated if an exception occurs
2	in the System.Data.DataTable.ColumnChanging event. A
3	System.Data.DataColumn that contains the data.
4	Item
5	ToString
6	_
7	[C#] public object this[int columnIndex] {get; set;}
8	[C++] public:property Object* get_Item(int columnIndex);public:property
9	void set_Item(int columnIndex, Object*);
10	[VB] Public Default Property Item(ByVal columnIndex As Integer) As Object
11	[JScript] returnValue =
12	DataRowObject.Item(columnIndex);DataRowObject.Item(columnIndex) =
13	returnValue; Gets or sets data stored in a specified column.
14	
15	Description
16	Gets or sets the data stored in the column specified by index.
17	When setting the property, an exception is generated if an exception occurs
18	in the System.Data.DataTable.ColumnChanging event. The zero-based index of
19	the column
20	Item
21	ToString
22	
23	[C#] public object this[string columnName, DataRowVersion version] {get;}
24	[C++] public:property Object* get_Item(String* columnName,
25	DataRowVersion version);

1	[VB] Public Default ReadOnly Property Item(ByVal columnName As String,
2	ByVal version As DataRowVersion) As Object
3	[JScript] returnValue = DataRowObject.Item(columnName, version);
4	
5	Description
6	Gets the specified version of data stored in the named column.
7	The version shouldn't be confused with the
8	System.Data.DataRow.RowState property. The version argument describes the
9	state of the data contained by the column in relation to the column's original value.
10	The System.Data.DataRow.RowState property describes the state of the entire
11	row in relation to its parent System.Data.DataTable. The name of the column.
12	One of the System.Data.DataRowVersion values that specifies the desired row
13	version. Possible values are Default , Original , Current , and Proposed .
14	Item
15	ToString
16	
17	[C#] public object this[DataColumn column, DataRowVersion version] {get;}
18	[C++] public:property Object* get_Item(DataColumn* column,
19	DataRowVersion version);
20	[VB] Public Default ReadOnly Property Item(ByVal column As DataColumn,
21	ByVal version As DataRowVersion) As Object
22	[JScript] returnValue = DataRowObject.Item(column, version);
23	
24	Description
25	

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the specified version of data stored in the specified System.Data.DataColumn .

The version shouldn't be confused with the

System.Data.DataRow.RowState property. The version argument describes the

A System.Data.DataColumn that contains information about the column. One of the System.Data.DataRowVersion values that specifies the desired row version.

state of the data contained by the column in relation to the column's original value.

Possible values are **Default**, **Original**, **Current**, and **Proposed**.

Item

ToString

[C#] public object this[int columnIndex, DataRowVersion version] {get;}

[C++] public: __property Object* get_Item(int columnIndex, DataRowVersion version);

[VB] Public Default ReadOnly Property Item(ByVal columnIndex As Integer, ByVal version As DataRowVersion) As Object

[JScript] returnValue = DataRowObject.Item(columnIndex, version);

Description

Gets the data stored in the column, specified by index and version of the data to retrieve.

You can only create or update a row after calling the

System.Data.DataRow.BeginEdit method; similarly, the

System.Data.DataRow.EndEdit method must be called to commit the edit. After calling the System.Data.DataRow.EndEdit method, and before calling the

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.DataRow.AcceptChanges method, internal representations of the original and new proposed values are stored. Therefore, until you call the System.Data.DataRow.AcceptChanges, you can use the version argument to specify which version of a column's value you need, either the DataRowVersion.Original or DataRowVersion.Proposed. Once you call the System.Data.DataRow.AcceptChanges method, however, the version of the column reverts to DataRowVersion.Original. If the row is new, you can also pass DataRowVersion.Default for the parameter to retrieve the column's default value. When passing **DataRowVersion.Current**, the property will return the current value, whatever its version may be. The zero-based index of the column. One of the System.Data.DataRowVersion values that specifies the desired row version. Possible values are **Default**, **Original**, **Current**, and **Proposed**. **ItemArray ToString** [C#] public object[] ItemArray {get; set;} [C++] public: __property Object* get_ItemArray();public: __property void set ItemArray(Object* gc[]); [VB] Public Property ItemArray As Object () [JScript] public function get ItemArray(): Object[];public function set ItemArray(Object[]); Description Gets or sets all of the values for this row through an array.

1	If a System.Data.DataColumn has its
2	System.Data.DataColumn.DefaultValue property set, pass a null in the array to
3	set the default value for that column. Similarly, if a column has its
4	System.Data.DataColumn.AutoIncrement property set to true, pass the null in
5	the array to set the automatically generated value for the row.
6	RowError
7	ToString
8	
9	[C#] public string RowError {get; set;}
10	[C++] public:property String* get_RowError();public:property void
11	set_RowError(String*);
12	[VB] Public Property RowError As String
13	[JScript] public function get RowError(): String; public function set
14	RowError(String);
15	
16	Description
17	Gets or sets the custom error description for a row.
18	Uses the System.Data.DataRow.HasErrors property to first determine if a
19	System.Data.DataRow contains errors.
20	RowState
21	ToString
22	
23	[C#] public DataRowState RowState {get;}
24	[C++] public:property DataRowState get_RowState();
25	[VB] Public ReadOnly Property RowState As DataRowState

[JScript] public function get RowState(): DataRowState; 2 Description 3 Gets the current state of the row in regards to its relationship to the 4 System.Data.DataRowCollection . 5 The System.Data.DataRow.RowState property is used in conjunction with 6 the System.Data.DataSet.GetChanges and System.Data.DataSet.HasChanges 7 methods of the System.Data.DataSet. 8 Table 9 **ToString** 10 11 [C#] public DataTable Table {get;} 12 [C++] public: property DataTable* get Table(); 13 [VB] Public ReadOnly Property Table As DataTable 14 [JScript] public function get Table() : DataTable; 15 16 Description 17 Gets the **System.Data.DataTable** for which this row has a schema. 18 A System.Data.DataRow does not necessarily belong to any table's 19 collection of rows. This occurs when the System.Data.DataRow has been created 20 but not added to the System.Data.DataRowCollection . If the 21 System.Data.DataRow.RowState property returns DataRowState.Detached, 22 the row is not in any collection. 23

24

25

AcceptChanges

1	
2	[C#] public void AcceptChanges();
3	[C++] public: void AcceptChanges();
4	[VB] Public Sub AcceptChanges()
5	[JScript] public function AcceptChanges();
6	
7	Description
8	Commits all the changes made to this row since the last time
9	System.Data.DataRow.AcceptChanges was called.
10	When invoking System.Data.DataRow.AcceptChanges, the
11	System.Data.DataRow.EndEdit method is implicitly called to end any edits. If
12	the System.Data.DataRow.RowState of the row was Added or Modified, the
13	System.Data.DataRow.RowState becomes Unchanged . If the
14	System.Data.DataRow.RowState was Deleted, the row is removed.
15	BeginEdit
16	
17	[C#] public void BeginEdit();
18	[C++] public: void BeginEdit();
19	[VB] Public Sub BeginEdit()
20	[JScript] public function BeginEdit();
21	
22	Description
23	Begins an edit operation on a System.Data.DataRow object.
24	Use the System.Data.DataRow.BeginEdit method to put a

System.Data.DataRow into edit mode. In this mode, events are temporarily

2

4

3 5 6 7 8 9 10 11 12 13 14 15 System.Data.DataRow.CancelEdit method. 16 CancelEdit 17 18 [C#] public void CancelEdit(); 19 [C++] public: void CancelEdit(); 20 [VB] Public Sub CancelEdit() 21 [JScript] public function CancelEdit(); 22

Cancels the current edit on the row.

suspended allowing the user to make multiple changes to more than one row without triggering validation rules. For example, if the values of several rows must add up to 100, you can put each of the rows into edit mode to suspend the validation of the row values until the user attempts to commit the values. While in edit mode, the The System.Data.DataRow.BeginEdit method is called implicitly when the user changes the value of a databound control; the System.Data.DataRow.EndEdit method is called implicitly when you invoke the System.Data.DataTable object's System.Data.DataTable.AcceptChanges method.) While in this edit mode, the System.Data.DataRow stores representations of the original and new proposed values Therefore, as long as the System.Data.DataRow.EndEdit method has not been called, you can retrieve either the original or proposed version by passing either DataRowVersion.Original or DataRowVersion.Proposed for the version parameter of the System.Data.DataRow.Item(System.Int32) property. You can also cancel any edits at this time by invoking the Description

23

24

See the System.Data.DataRow.BeginEdit method for more details. ClearErrors 2 3 [C#] public void ClearErrors(); [C++] public: void ClearErrors(); 5 [VB] Public Sub ClearErrors() [JScript] public function ClearErrors(); 7 8 Description 9 Clears the errors for the row, including the 10 System.Data.DataRow.RowError and errors set with 11 System.Data.DataRow.SetColumnError(System.Int32,System.String) . 12 Use 13 System.Data.DataRow.SetColumnError(System.Int32,System.String) and 14 System.Data.DataRow.GetColumnError(System.Int32) to set and return errors 15 for individual columns. 16 Delete 17 18 [C#] public void Delete(); 19 [C++] public: void Delete(); 20 [VB] Public Sub Delete() 21 [JScript] public function Delete(); 22 23 Description 24

Deletes the row.

1	If the System.Data.DataRow.RowState of the row is Added, the row will
2	be removed from the table.
3	EndEdit
4	
5	[C#] public void EndEdit();
6	[C++] public: void EndEdit();
7	[VB] Public Sub EndEdit()
8	[JScript] public function EndEdit();
9	
10	Description
11	Ends the edit occurring on the row.
12	When setting the property, an exception is generated if an exception occurs
13	in the System.Data.DataTable.RowChanging event.
14	GetChildRows
15	
16	[C#] public DataRow[] GetChildRows(DataRelation relation);
17	[C++] public: DataRow* GetChildRows(DataRelation* relation) [];
18	[VB] Public Function GetChildRows(ByVal relation As DataRelation) As
19	DataRow()
20	[JScript] public function GetChildRows(relation : DataRelation) : DataRow[];
21	Gets the child rows of a System.Data.DataRow.
22	
23	Description
24	Gets the child rows of this System.Data.DataRow using the specified
25	System.Data.DataRelation .

Return Value: An array of System.Data.DataRow objects (or an array of length 1 zero). 2 In a System. Data. Data Set, the collection of all 3 System.Data.DataRelation objects for the data set is returned by the System.Data.DataSet.GetChildRelations method. The 5 System.Data.DataRelation to use. 6 GetChildRows 7 8 [C#] public DataRow[] GetChildRows(string relationName); 9 [C++] public: DataRow* GetChildRows(String* relationName) []; 10 [VB] Public Function GetChildRows(ByVal relationName As String) As 11 DataRow() 12 [JScript] public function GetChildRows(relationName : String) : DataRow[]; Gets 13 the child rows in a related System.Data.DataTable of a System.Data.DataRow. 14 15 Description 16 Gets the child rows of a System.Data.DataRow using the specified 17 System.Data.DataRelation.RelationName of a System.Data.DataRelation . 18 Return Value: An array of System.Data.DataRow objects (or an array of length 19 zero). 20 In a System. Data. DataSet, the collection of all 21 System. Data. Data Relation objects for the data set is returned by the 22 System.Data.DataSet.GetChildRelations method. The 23

System.Data.DataRelation.RelationName of the System.Data.DataRelation to

127 MS1-864US.APP

use.

24

2

3

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

GetChildRows

[C#] public DataRow[] GetChildRows(DataRelation relation, DataRowVersion version);

[C++] public: DataRow* GetChildRows(DataRelation* relation, DataRowVersion version) [];

[VB] Public Function GetChildRows(ByVal relation As DataRelation, ByVal version As DataRowVersion) As DataRow()

[JScript] public function GetChildRows(relation : DataRelation, version :

DataRowVersion): DataRow[];

Description

Gets the child rows of a **System.Data.DataRow** using the specified **System.Data.DataRelation**, and **System.Data.DataRowVersion**.

Return Value: An array of System.Data.DataRow objects.

In a System.Data.DataSet, the collection of all

System.Data:DataRelation objects for the data set is returned by the

System.Data.DataSet.GetChildRelations method. The

System.Data.DataRelation to use. One of the System.Data.DataRowVersion values specifying the version of the data to get. Possible values are Default,

Original, Current, and Proposed.

GetChildRows

[C#] public DataRow[] GetChildRows(string relationName, DataRowVersion version);

[C++] public: DataRow* GetChildRows(String* relationName, DataRowVersion version) []; 2 [VB] Public Function GetChildRows(ByVal relationName As String, ByVal 3 version As DataRowVersion) As DataRow() [JScript] public function GetChildRows(relationName : String, version : 5 DataRowVersion): DataRow[]; 6 7 Description 8 Gets the specified version of the child rows of a System.Data.DataRow 9 using the specified System.Data.DataRelation.RelationName of a 10 System.Data.DataRelation, and System.Data.DataRowVersion. 11 Return Value: An array of System.Data.DataRow objects (or an array of length 12 zero). 13 In a System.Data.DataSet, the collection of all 14 **System.Data.DataRelation** objects for the data set is returned by the 15 System.Data.DataSet.GetChildRelations method. The 16 System.Data.DataRelation.RelationName of the System.Data.DataRelation to 17 use. One of the System.Data.DataRowVersion values specifying the version of 18 the data to get. Possible values are **Default**, **Original**, **Current**, and **Proposed**. 19 GetColumnError 20 21 [C#] public string GetColumnError(DataColumn column); 22 [C++] public: String* GetColumnError(DataColumn* column); 23 [VB] Public Function GetColumnError(ByVal column As DataColumn) As String 24 [JScript] public function GetColumnError(column : DataColumn) : String; 25

Description
Gets the error description of the specified System.Data.DataColumn .
Return Value: The text of the error description.
Use the
System.Data.DataRow.SetColumnError(System.Int32,System.String) method
to set column errors. A System.Data.DataColumn.
GetColumnError
·
[C#] public string GetColumnError(int columnIndex);
[C++] public: String* GetColumnError(int columnIndex);
[VB] Public Function GetColumnError(ByVal columnIndex As Integer) As String
[JScript] public function GetColumnError(columnIndex : int) : String; Gets the
error description for a column.
Description
Gets the error description for the column specified by index.
Return Value: The text of the error description.
Use the
System.Data.DataRow.SetColumnError(System.Int32,System.String) method
to set column errors. The zero-based index of the column.
GetColumnError
[C#] public string GetColumnError(string columnName);
[C++] public: String* GetColumnError(String* columnName);

[VB] Public Function GetColumnError(ByVal columnName As String) As String 1 [JScript] public function GetColumnError(columnName : String) : String; 2 3 Description Gets the error description for a column, specified by name. 5 Return Value: The text of the error description. 6 Use the 7 System.Data.DataRow.SetColumnError(System.Int32,System.String) method 8 to set column errors. The name of the column. 9 GetColumnsInError 10 11 [C#] public DataColumn[] GetColumnsInError(); 12 [C++] public: DataColumn* GetColumnsInError() []; 13 [VB] Public Function GetColumnsInError() As DataColumn() 14 [JScript] public function GetColumnsInError(): DataColumn[]; 15 16 Description 17 Gets an array of columns that have errors. 18 Return Value: An array of System.Data.DataColumn objects that contain errors. 19 The System.Data.DataRow.GetColumnsInError allows you to reduce 20 the number of System. Data. Data Column objects that must be processed for 21 errors by returning only those columns that have an error. Errors can be set to 22 individual columns with the 23 System.Data.DataRow.SetColumnError(System.Int32,System.String) method. 24

To further reduce the number of processing, check the System.Data.DataRow

1	class's System.Data.DataRow.HasErrors property to first determine if a
2	System.Data.DataRow has errors before invoking
3	System.Data.DataRow.GetColumnsInError .
4	GetParentRow
5	
6	[C#] public DataRow GetParentRow(DataRelation relation);
7	[C++] public: DataRow* GetParentRow(DataRelation* relation);
8	[VB] Public Function GetParentRow(ByVal relation As DataRelation) As
9	DataRow
10	[JScript] public function GetParentRow(relation : DataRelation) : DataRow;
11	
12	Description
13	Gets the parent row of a System.Data.DataRow using the specified
14	System.Data.DataRelation .
15	Return Value: The parent System.Data.DataRow of the current row.
16	In a System.Data.DataSet, the collection of all parent
17	System.Data.DataRelation objects for the data set is returned by the
18	System.Data.DataSet.GetParentRelations(System.Data.DataTable) method.
19	The System.Data.DataRelation to use.
20	GetParentRow
21	
22	[C#] public DataRow GetParentRow(string relationName);
23	[C++] public: DataRow* GetParentRow(String* relationName);
24	[VB] Public Function GetParentRow(ByVal relationName As String) As DataRov
25	[JScript] public function GetParentRow(relationName : String) : DataRow; Gets

the parent row of a System.Data.DataRow. 1 2 Description 3 Gets the parent row of a System. Data. DataRow using the specified 4 System.Data.DataRelation.RelationName of a System.Data.DataRelation . 5 Return Value: The parent System.Data.DataRow of the current row. 6 In a System. Data. Data Set, the collection of all parent 7 System.Data.DataRelation objects for the data set is returned by the 8 System.Data.DataSet.GetParentRelations(System.Data.DataTable) method. 9 The System.Data.DataRelation.RelationName of a System.Data.DataRelation. 10 GetParentRow 11 12 [C#] public DataRow GetParentRow(DataRelation relation, DataRowVersion 13 version); 14 [C++] public: DataRow* GetParentRow(DataRelation* relation, DataRowVersion 15 version); 16 [VB] Public Function GetParentRow(ByVal relation As DataRelation, ByVal 17 version As DataRowVersion) As DataRow 18 [JScript] public function GetParentRow(relation : DataRelation, version : 19 DataRowVersion): DataRow; 20 21 Description 22 Gets the parent row of a System.Data.DataRow using the specified 23 System.Data.DataRelation, and System.Data.DataRowVersion.

Return Value: The parent System.Data.DataRow of the current row.

24

In a System.Data.DataSet, the collection of all parent
System.Data.DataRelation objects for the data set is returned by the
System.Data.DataSet.GetParentRelations(System.Data.DataTable) method.
The System.Data.DataRelation to use. One of the
System.Data.DataRowVersion values specifying the version of the data to get.

GetParentRow

[C#] public DataRow GetParentRow(string relationName, DataRowVersion version);

[C++] public: DataRow* GetParentRow(String* relationName, DataRowVersion version);

[VB] Public Function GetParentRow(ByVal relationName As String, ByVal version As DataRowVersion) As DataRow

[JScript] public function GetParentRow(relationName : String, version :

DataRowVersion): DataRow;

Description

Gets the parent row of a **System.Data.DataRow** using the specified **System.Data.DataRelation.RelationName** of a **System.Data.DataRelation**, and **System.Data.DataRowVersion**.

Return Value: The parent System.Data.DataRow of the current row.

In a System.Data.DataSet, the collection of all parent

System.Data.DataRelation objects for the data set is returned by the

System.Data.DataSet.GetParentRelations(System.Data.DataTable) method.

The System.Data.DataRelation.RelationName of a System.Data.DataRelation. 1 One of the System.Data.DataRowVersion values. 2 GetParentRows 3 4 [C#] public DataRow[] GetParentRows(DataRelation relation); 5 [C++] public: DataRow* GetParentRows(DataRelation* relation) []; 6 [VB] Public Function GetParentRows(ByVal relation As DataRelation) As 7 DataRow() 8 [JScript] public function GetParentRows(relation : DataRelation) : DataRow[]; 9 Gets the parent rows of a System.Data.DataRow. 10 11 Description 12 Gets the parent rows of a System.Data.DataRow using the specified 13 System.Data.DataRelation . 14 Return Value: An array of System.Data.DataRow objects (or an array of length 15 zero). 16 In a System. Data. DataSet, the collection of all parent 17 System. Data. Data Relation objects for the data set is returned by the 18 System.Data.DataSet.GetParentRelations(System.Data.DataTable) method. 19 The System.Data.DataRelation to use. 20 GetParentRows 21 22 [C#] public DataRow[] GetParentRows(string relationName); 23 [C++] public: DataRow* GetParentRows(String* relationName) []; 24 [VB] Public Function GetParentRows(ByVal relationName As String) As 25

25

Description

DataRow() [JScript] public function GetParentRows(relationName : String) : DataRow[]; Gets 2 the parent rows of a System. Data. DataRow. 3 Description 5 Gets the parent rows of a System.Data.DataRow using the specified 6 System.Data.DataRelation.RelationName of a System.Data.DataRelation . 7 Return Value: An array of System.Data.DataRow objects (or an array of length 8 zero). 9 In a System.Data.DataSet, the collection of all parent 10 System.Data.DataRelation objects for the data set is returned by the 11 System.Data.DataSet.GetParentRelations(System.Data.DataTable) method. 12 The System.Data.DataRelation.RelationName of a System.Data.DataRelation. 13 GetParentRows 14 15 [C#] public DataRow[] GetParentRows(DataRelation relation, DataRowVersion 16 version); 17 [C++] public: DataRow* GetParentRows(DataRelation* relation, 18 DataRowVersion version) []; 19 [VB] Public Function GetParentRows(ByVal relation As DataRelation, ByVal 20 version As DataRowVersion) As DataRow() 21 [JScript] public function GetParentRows(relation : DataRelation, version : 22 DataRowVersion) : DataRow[]; 23

Gets the parent rows of a System. Data. DataRow using the specified 1 System.Data.DataRelation, and System.Data.DataRowVersion. 2 Return Value: An array of System. Data. DataRow objects (or an array of length 3 zero). In a System.Data.DataSet, the collection of all parent 5 System.Data.DataRelation objects for the data set is returned by the 6 System.Data.DataSet.GetParentRelations(System.Data.DataTable) method. 7 The System.Data.DataRelation to use. One of the 8 System.Data.DataRowVersion values specifying the version of the data to get. 9 **GetParentRows** 10 11 [C#] public DataRow[] GetParentRows(string relationName, DataRowVersion 12 version); 13 [C++] public: DataRow* GetParentRows(String* relationName, DataRowVersion 14 version) []; 15 [VB] Public Function GetParentRows(ByVal relationName As String, ByVal 16 version As DataRowVersion) As DataRow() 17 [JScript] public function GetParentRows(relationName : String, version : 18 DataRowVersion): DataRow[]; 19 20 Description 21 Gets the parent rows of a System. Data. DataRow using the specified 22

System.Data.DataRelation.RelationName of a System.Data.DataRelation, and System.Data.DataRowVersion .

23

24

Return Value: An array of System.Data.DataRow objects (or an array of length zero). 2 In a System.Data.DataSet, the collection of all parent 3 System.Data.DataRelation objects for the data set is returned by the 4 System.Data.DataSet.GetParentRelations(System.Data.DataTable) method. 5 The System.Data.DataRelation.RelationName of a System.Data.DataRelation. 6 One of the System. Data. DataRow Version values specifying the version of the 7 data to get. Possible values are **Default**, **Original**, **Current**, and **Proposed**. 8 HasVersion 9 10 [C#] public bool HasVersion(DataRowVersion version); 11 [C++] public: bool HasVersion(DataRowVersion version); 12 [VB] Public Function HasVersion(ByVal version As DataRowVersion) As 13 Boolean 14 [JScript] public function HasVersion(version: DataRowVersion): Boolean; 15 16 Description 17 Gets a value indicating whether a specified version exists. 18 Return Value: true if the version exists; otherwise, false. 19 See the System.Data.DataRow.BeginEdit method for more details. One of 20 the System.Data.DataRowVersion values that specifies the row version. Possible 21 values are **Default**, **Original**, **Current**, and **Proposed**. 22 IsNull 23 24 [C#] public bool IsNull(DataColumn column);

1	[C++] public: bool IsNull(DataColumn* column);
2	[VB] Public Function IsNull(ByVal column As DataColumn) As Boolean
3	[JScript] public function IsNull(column : DataColumn) : Boolean;
4	
5	Description
6	Gets a value indicating whether the specified System.Data.DataColumn
7	contains a null value.
8	Return Value: true if the column contains a null value; otherwise, false. A
9	System.Data.DataColumn.
10	IsNull
11	
12	[C#] public bool IsNull(int columnIndex);
13	[C++] public: bool IsNull(int columnIndex);
14	[VB] Public Function IsNull(ByVal columnIndex As Integer) As Boolean
15	[JScript] public function IsNull(columnIndex : int) : Boolean; Gets a value
16	indicating whether the specified column contains a null value.
17	
18	Description
19	Gets a value indicating whether the column at the specified index contains a
20	null value.
21	Return Value: true if the column contains a null value; otherwise, false. The zero-
22	based index of the column.
23	IsNull
24	
25	[C#] public bool IsNull(string columnName);

[C++] public: bool IsNull(String* columnName); [VB] Public Function IsNull(ByVal columnName As String) As Boolean 2 [JScript] public function IsNull(columnName : String) : Boolean; 3 Description 5 Gets a value indicating whether the named column contains a null value. 6 Return Value: true if the column contains a null value; otherwise, false. The 7 name of the column. 8 IsNull 9 10 [C#] public bool IsNull(DataColumn column, DataRowVersion version); 11 [C++] public: bool IsNull(DataColumn* column, DataRowVersion version); 12 [VB] Public Function IsNull(ByVal column As DataColumn, ByVal version As 13 DataRowVersion) As Boolean 14 [JScript] public function IsNull(column : DataColumn, version : 15 DataRowVersion): Boolean; 16 17 Description 18 Gets a value indicating whether the specified System.Data.DataColumn 19 and System. Data. DataRow Version contains a null value. 20 Return Value: true if the column contains a null value; otherwise, false. A 21 System.Data.DataColumn. One of the System.Data.DataRowVersion values 22 that specifies the row version. Possible values are **Default**, **Original**, **Current**, 23 and Proposed. 24

RejectChanges

[C#] public void RejectChanges(); [C++] public: void RejectChanges(); [VB] Public Sub RejectChanges() [JScript] public function RejectChanges();

Description

Rejects all changes made to the row since System.Data.DataRow.AcceptChanges was last called.

When calling the System.Data.DataRow.RejectChanges method, the System.Data.DataRow.CancelEdit method is implicitly called to cancel any edits. If System.Data.DataRow.RowState is Deleted or Modified, the row reverts to its previous values, and System.Data.DataRow.RowState becomes Unchanged. If the System.Data.DataRow.RowState is Added, the row is

SetColumnError

[C#] public void SetColumnError(DataColumn column, string error); [C++] public: void SetColumnError(DataColumn* column, String* error); [VB] Public Sub SetColumnError(ByVal column As DataColumn, ByVal error As [JScript] public function SetColumnError(column : DataColumn, error : String); Description

23

24

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Sets the error description for a column specified as a System.Data.DataColumn.

To examine error descriptions, use the

System.Data.DataRow.GetColumnError(System.Int32) method. The

System.Data.DataColumn to set the error description for. The error description.

SetColumnError

[C#] public void SetColumnError(int columnIndex, string error);

[C++] public: void SetColumnError(int columnIndex, String* error);

[VB] Public Sub SetColumnError(ByVal columnIndex As Integer, ByVal error As

String)

[JScript] public function SetColumnError(columnIndex : int, error : String); Sets the error description for a column.

Description

Sets the error description for a column specified by index.

The method is used to set custom error descriptions on specified columns. You can use the **System.Windows.Forms.ErrorProvider** control to display the text of the error, or through by other reporting mechanisms. The zero-based index of the column. The error description.

SetColumnError

[C#] public void SetColumnError(string columnName, string error);

[C++] public: void SetColumnError(String* columnName, String* error);

[VB] Public Sub SetColumnError(ByVal columnName As String, ByVal error As

lee@hayes 🗚 509-324-9256 142

String)
[JScript] public function SetColumnError(columnName : String, error : String)
Description
Sets the error description for a column specified by name.
The name of a column is set with the System.Data.DataColumn class's
System.Data.DataColumn.ColumnName property. The name of the column.
The error description.
SetNull .
[C#] protected void SetNull(DataColumn column);
[C++] protected: void SetNull(DataColumn* column);
[VB] Protected Sub SetNull(ByVal column As DataColumn)
[JScript] protected function SetNull(column : DataColumn);
Description
Sets the the value of the specified System.Data.DataColumn to a null
value.
Use the System.Data.DataRow.IsNull(System.Int32) method to
determine if a column contains a null value. A System.Data.DataColumn.
SetParentRow
[C#] public void SetParentRow(DataRow parentRow);
[C++] public: void SetParentRow(DataRow* parentRow);
[VB] Public Sub SetParentRow(ByVal parentRow As DataRow)

[JScript] public function SetParentRow(parentRow: DataRow); Sets the parent 1 row of a System.Data.DataRow. 2 3 Description Sets the parent row of a System. Data. DataRow with specified new parent 5 System.Data.DataRow. The new parent System.Data.DataRow. 6 SetParentRow 7 8 [C#] public void SetParentRow(DataRow parentRow, DataRelation relation); 9 [C++] public: void SetParentRow(DataRow* parentRow, DataRelation* relation); 10 [VB] Public Sub SetParentRow(ByVal parentRow As DataRow, ByVal relation 11 As DataRelation) 12 [JScript] public function SetParentRow(parentRow: DataRow, relation: 13 DataRelation); 14 15 Description 16 Sets the parent row of a System.Data.DataRow with specified new parent 17 System.Data.DataRow and System.Data.DataRelation . 18 [Need explanation of why we do this.] The following example sets the 19 parent row of a given child row. The new parent System. Data. DataRow. The 20 relation System.Data.DataRelation to use. 21 DataRowAction enumeration (System.Data) 22 **ToString** 23 24

144

1	
2	
3	Description
4	Describes the action taken on a System.Data.DataRow.
5	Use the members of this enumeration to determine the action that has
6	occurred on a System.Data.DataRow with respect to the
7	System.Data.DataTable to which it belongs.
8	ToString
9	
10	[C#] public const DataRowAction Add;
11	[C++] public: const DataRowAction Add;
12	[VB] Public Const Add As DataRowAction
13	[JScript] public var Add : DataRowAction;
14	
15	Description
16	The row has been added to the table.
17	ToString
18	
19	[C#] public const DataRowAction Change;
20	[C++] public: const DataRowAction Change;
21	[VB] Public Const Change As DataRowAction
22	[JScript] public var Change : DataRowAction;
23	
24	Description
25	The row has changed.

1	ToString
2	
3	[C#] public const DataRowAction Commit;
4	[C++] public: const DataRowAction Commit;
5	[VB] Public Const Commit As DataRowAction
6	[JScript] public var Commit: DataRowAction;
7	
8	Description
9	The row has been committed.
10	ToString
11	
12	[C#] public const DataRowAction Delete;
13	[C++] public: const DataRowAction Delete;
14	[VB] Public Const Delete As DataRowAction
15	[JScript] public var Delete: DataRowAction;
16	
17	Description
18	The row was deleted from the table.
19	ToString
20	
21	[C#] public const DataRowAction Nothing;
22	[C++] public: const DataRowAction Nothing;
23	[VB] Public Const Nothing As DataRowAction
24	[JScript] public var Nothing : DataRowAction;

	1	
	2	Description
	3	The row has not changed.
	4	ToString
	5	
	6	[C#] public const DataRowAction Rollback;
	7	[C++] public: const DataRowAction Rollback;
	8	[VB] Public Const Rollback As DataRowAction
1""	9	[JScript] public var Rollback : DataRowAction;
ամ ամ հոտ հոմ կուր կուր կուր կուր	10	
the share that	11	Description
	12	The change has been rolled back.
-	13	DataRowBuilder class (System.Data)
	14	ToString
	15	
:	16	
	17	Description
	18	DataRowChangeEventArgs class (System.Data)
	19	ToString
	20	
	21	
	22	Description
	23	Provides data for the System.Data.DataTable.RowChanged,
	24	System.Data.DataTable.RowChanging,
	25	System. Data. Data Table. On Row Deleting (System. Data. Data Row Change Event Control of the

1	Args), and
2	System. Data. Data Table. On Row Deleted (System. Data. Data Row Change Event)
3	Args) events.
4	The System.Data.DataTable.RowChanged,
5	System.Data.DataTable.RowChanged, System.Data.DataTable.RowChanged
6	, and System.Data.DataTable.RowChanged events occur when an action is
7	performed on a System.Data.DataRow.
8	DataRowChangeEventArgs
9	Example Syntax:
10	ToString
11	
12	[C#] public DataRowChangeEventArgs(DataRow row, DataRowAction action);
13	[C++] public: DataRowChangeEventArgs(DataRow* row, DataRowAction
14	action);
15	[VB] Public Sub New(ByVal row As DataRow, ByVal action As DataRowAction)
16	[JScript] public function DataRowChangeEventArgs(row: DataRow, action:
17	DataRowAction);
18	
19	Description
20	Initializes a new instance of the System.Data.DataRowChangeEventArgs
21	class. The System.Data.DataRow upon which an action is occuring. One of the
22	System.Data.DataRowAction values.
23	Action

ToString

23

1	
2	[C#] public DataRowAction Action {get;}
3	[C++] public:property DataRowAction get_Action();
4	[VB] Public ReadOnly Property Action As DataRowAction
5	[JScript] public function get Action(): DataRowAction;
6	
7	Description
8	Gets the action that has occurred on a System.Data.DataRow.
9	Row
10	ToString
11	•
12	[C#] public DataRow Row {get;}
13	[C++] public:property DataRow* get_Row();
14	[VB] Public ReadOnly Property Row As DataRow
15	[JScript] public function get Row(): DataRow;
16	
17	Description
18	Gets the row upon which an action has occurred.
19	DataRowChangeEventHandler delegate (System.Data)
20	ToString
21	
22	
23	Description
24	Represents the method that will handle the
ا ء د	System Data Data Table RowChanging

System.Data.DataTable.RowChanged, System.Data.DataTable.RowDeleting, and System.Data.DataTable.RowDeleted events of a System.Data.DataTable.

The source of the event. A System.Data.DataRowChangeEventArgs that contains the event data.

When you create a **System.Data.DataRowChangeEventHandler** delegate, you identify the method that will handle the event. To associate the event with your event handler, add an instance of the delegate to the event. The event handler is called whenever the event occurs, until you remove the delegate. For more information about delegates, see .

DataRowCollection class (System.Data)

ToString

Description

Represents a collection of rows for a System.Data.DataTable.

The System.Data.DataRowCollection is a major component of the System.Data.DataTable. While the System.Data.DataColumnCollection defines the schema of the table, the System.Data.DataRowCollection contains the actual data for the table, where each System.Data.DataRow in the System.Data.DataRowCollection represents a single row.

Count

IsReadOnly

IsSynchronized

Item

ToString

1	
2	-
3	Description
4	Gets the row at the specified index.
5	Use the System.Data.DataRowCollection.Contains(System.Object)
6	method to determine if a given value exists in the key column of a row. The zero-
7	based index of the row to return.
8	List
9	ToString
10	
11	[C#] protected override ArrayList List {get;}
12	[C++] protected:property virtual ArrayList* get_List();
13	[VB] Overrides Protected ReadOnly Property List As ArrayList
14	[JScript] protected function get List(): ArrayList;
15	
16	Description
17	Gets the list of the collection items.
18	SyncRoot
19	Add
20	
21	[C#] public void Add(DataRow row);
22	[C++] public: void Add(DataRow* row);
23	[VB] Public Sub Add(ByVal row As DataRow)
24	[JScript] public function Add(row: DataRow); Adds a System.Data.DataRow to
25	the System.Data.DataRowCollection .

and were in the tends of the contract the stands that the think that

1	
2	:
3	
4	$\ $
5	;
6	, -
7	,
8	3
ç	$\ $
• 10	,
11	
12	<u>.</u>
13	,
14	
15	, -
16	,
17	$\ $
18	$\ $
19	,

_				
/)	esc	rin	tin	v
IJ	636	ıw	$\iota\iota\iota\upsilon$	•

Adds the specified **System.Data.DataRow** to the **System.Data.DataRowCollection** object.

To create a new System.Data.DataRow, you must use the System.Data.DataTable class's System.Data.DataTable.NewRow method.

When you use the System.Data.DataTable.NewRow method, a new

System.Data.DataRow object is returned using the schema of parent

System.Data.DataTable. After you create the System.Data.DataRow object and set the values for each of its columns, use the

System.Data.DataRowCollection.Add(System.Data.DataRow) method to add the object to the collection. The System.Data.DataRow to add.

Add

[C#] public virtual DataRow Add(object[] values);

[C++] public: virtual DataRow* Add(Object* values __gc[]);

[VB] Overridable Public Function Add(ByVal values() As Object) As DataRow

[JScript] public function Add(values : Object[]) : DataRow;

Description

20

21

22

23

24

25

Creates a row using specified values and adds it to the

System.Data.DataRowCollection .

If a System.Data.DataColumn object has its

System.Data.DataColumn.AutoIncrement set to True, System.Object.Empty

should be passed to get the default value for that column. The array of values that are used to create the new row.

Clear

[C#] public void Clear();

[C++] public: void Clear();

[VB] Public Sub Clear()

[JScript] public function Clear();

Description

Clears the collection of all rows.

To add a row to the collection, first use the **System.Data.DataTable** class's **System.Data.DataTable.NewRow** method to create the new row. Then add the new row using the

System.Data.DataRowCollection.Add(System.Data.DataRow) method of the System.Data.DataRowCollection class.

Contains

[C#] public bool Contains(object key);

[C++] public: bool Contains(Object* key);

[VB] Public Function Contains(ByVal key As Object) As Boolean

[JScript] public function Contains(key: Object): Boolean; Gets a value indicating whether any row in the collection contains a specified value in the primary key or keys column.

13

14

15

16

17

18

19

20

21

22

23

24

2

3

Description

Gets a value indicating whether the primary key of any row in the collection contains the specified value.

Return Value: true if the collection contains a System.Data.DataRow with the specified primary key value; otherwise, false.

To use the System.Data.DataRowCollection.Contains(System.Object) method, the System.Data.DataTable object to which the

System.Data.DataRowCollection object belongs to must have at least one column designated as a primary key column. See the

System.Data.DataTable.PrimaryKey property for details on creating a primary key column. The value of the primary key to test for.

Contains

[C#] public bool Contains(object[] keys);

[C++] public: bool Contains(Object* keys __gc[]);

[VB] Public Function Contains(ByVal keys() As Object) As Boolean

[JScript] public function Contains(keys : Object[]) : Boolean;

Description

Gets a value indicating if the **System.Data.DataRow** with the specified primary key values exists.

Return Value: true if the System.Data.DataRowCollection contains a System.Data.DataRow with the specified key values; otherwise, false.

To use the System.Data.DataRowCollection.Contains(System.Object)
method with an array of values, the System.Data.DataTable object to which the
System.Data.DataRowCollection object belongs must have at an array of
columns designated as a primary keys. See the
System.Data.DataTable.PrimaryKey property for details on creating an array of
primary key columns. The number of array elements must correspond to the
number of primary key columns in the System.Data.DataTable . An array of
primary key values to test for.

Find

[C#] public DataRow Find(object key);

[C++] public: DataRow* Find(Object* key);

[VB] Public Function Find(ByVal key As Object) As DataRow

[JScript] public function Find(key: Object): DataRow; Gets a specified

System.Data.DataRow.

Description

Gets the row specified by the primary key value.

Return Value: A System.Data.DataRow containing the primary key value specified; otherwise a null value if the primary key value does not exist in the System.Data.DataRowCollection.

To use the System.Data.DataRowCollection.Contains(System.Object)
method, the System.Data.DataTable object to which the
System.Data.DataRowCollection object belongs to must have at least one
column designated as a primary key column. See the

1	System.Data.DataTable.PrimaryKey property for details on creating a primary
2	key column. The primary key value of the System.Data.DataRow to find.
3	Find
4	
5	[C#] public DataRow Find(object[] keys);
6	[C++] public: DataRow* Find(Object* keysgc[]);
7	[VB] Public Function Find(ByVal keys() As Object) As DataRow
8	[JScript] public function Find(keys : Object[]) : DataRow;
9	
10	Description
11	Gets the row containing the specified primary key values.
12	Return Value: An array of System.Data.DataRow objects containing the primary
13	key values specified; otherwise a null value if the primary key values do not exist
14	in the System.Data.DataRowCollection.
15	To use the System.Data.DataRowCollection.Find(System.Object)
16	method, the System.Data.DataTable object to which the
17	System.Data.DataRowCollection object belongs to must have at least one
18	column designated as a primary key column. See the
19	System.Data.DataTable.PrimaryKey property for details on creating a
20	System.Data.DataTable.PrimaryKey column, or an array of
21	System.Data.DataColumn objects when the table has more than one primary key.
22	An array of primary key values to find. The type of the array is Object.
23	InsertAt
24	
25	[C#] public void InsertAt(DataRow row, int pos);

[C++] public: void InsertAt(DataRow* row, int pos); [VB] Public Sub InsertAt(ByVal row As DataRow, ByVal pos As Integer) 2 [JScript] public function InsertAt(row : DataRow, pos : int); 3 4 Description 5 6 Remove 7 8 [C#] public void Remove(DataRow row); 9 [C++] public: void Remove(DataRow* row); 10 [VB] Public Sub Remove(ByVal row As DataRow) 11 [JScript] public function Remove(row: DataRow); Removes a specific row from 12 the System.Data.DataRowCollection. 13 14 Description 15 Removes the specified System.Data.DataRow from the collection. 16 When a row is removed, data in that row is lost. You can also call the 17 System.Data.DataRow class's System.Data.DataRow.Delete method to simply 18 mark a row for removal. The row is not actually removed until the 19 System.Data.DataRow.AcceptChanges method is invoked. The 20 System.Data.DataRow to remove. 21 RemoveAt 22 23 [C#] public void RemoveAt(int index); 24 [C++] public: void RemoveAt(int index); 25

1	[VB] Public Sub RemoveAt(ByVal index As Integer)
2	[JScript] public function RemoveAt(index : int);
3	·
4	Description
5	Removes the row with the specified index from the collection.
6	When a row is removed, data in that row is lost. You can also call the
7	System.Data.DataRow class's System.Data.DataRow.Delete method to simply
8	mark a row for removal. The row is not actually removed until the
9	System.Data.DataRow.AcceptChanges method is invoked. The index of the row
10	to remove.
11	DataRowState enumeration (System.Data)
12	ToString
13	
14	
15	Description
16	Gets the state of a System.Data.DataRow object.
17	The System.Data.DataRowState enumeration is returned by the
18	System.Data.DataRow.RowState property of the System.Data.DataRow class.
19	ToString
20	
21	[C#] public const DataRowState Added;
22	[C++] public: const DataRowState Added;
23	[VB] Public Const Added As DataRowState
24	[JScript] public var Added : DataRowState;

25

Description 2 The row has been added to a System.Data.DataRowCollection, and 3 System.Data.DataRow.AcceptChanges has not been called. **ToString** 5 6 [C#] public const DataRowState Deleted; 7 [C++] public: const DataRowState Deleted; 8 [VB] Public Const Deleted As DataRowState 9 [JScript] public var Deleted : DataRowState; 10 11 Description 12 The row was deleted using the System.Data.DataRow.Delete method of 13 the System.Data.DataRow. 14 **ToString** 15 16 [C#] public const DataRowState Detached; 17 [C++] public: const DataRowState Detached; 18 [VB] Public Const Detached As DataRowState 19 [JScript] public var Detached : DataRowState; 20 21 Description 22 The row has been created but is not part of any 23

System.Data.DataRowCollection . A System.Data.DataRow is in this state

3

5

6

7

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

immediately after it has been created and before it is added to a collection, or if it has been removed from a collection. **ToString** [C#] public const DataRowState Modified; [C++] public: const DataRowState Modified; [VB] Public Const Modified As DataRowState [JScript] public var Modified : DataRowState; Description The row has been modified and System.Data.DataRow.AcceptChanges has not been called. **ToString** [C#] public const DataRowState Unchanged; [C++] public: const DataRowState Unchanged; [VB] Public Const Unchanged As DataRowState [JScript] public var Unchanged : DataRowState; Description The row has not changed since System.Data.DataRow.AcceptChanges was last called. DataRowVersion enumeration (System.Data)

ToString

22

23

24

25

Describes the version of a System.Data.DataRow.

The System.Data.DataRowVersion values are used when retrieving the value found in a System.Data.DataRow using

System.Data.DataRow.Item(System.Int32) or the

System.Data.DataRow.GetChildRows(System.String) of the

System.Data.DataRow object.

ToString

[C#] public const DataRowVersion Current;

[C++] public: const DataRowVersion Current;

[VB] Public Const Current As DataRowVersion

[JScript] public var Current : DataRowVersion;

The row contains current values.

ToString

[C#] public const DataRowVersion Default;

[C++] public: const DataRowVersion Default;

[VB] Public Const Default As DataRowVersion

[JScript] public var Default : DataRowVersion;

1	
2	Description
3	The row contains its default values.
4	ToString
5	
6	[C#] public const DataRowVersion Original;
7	[C++] public: const DataRowVersion Original;
8	[VB] Public Const Original As DataRowVersion
9	[JScript] public var Original : DataRowVersion;
10	
11	Description
12	The row contains its original values.
13	ToString
14	
15	[C#] public const DataRowVersion Proposed;
16	[C++] public: const DataRowVersion Proposed;
17	[VB] Public Const Proposed As DataRowVersion
18	[JScript] public var Proposed : DataRowVersion;
19	
20	Description
21	The row contains a proposed value.
22	DataRowView class (System.Data)
23	ToString
24	
25	

Description
Represents a customized view of a System.Data.DataRow exposed as a
fully featured Windows Forms control.
Whenever data is displayed (for example in a
System.Windows.Forms.DataGrid control), only one version of each row can be
displayed. The displayed row is a System.Data.DataRowView.
DataView
ToString
[C#] public DataView DataView {get;}
[C++] public:property DataView* get_DataView();
[VB] Public ReadOnly Property DataView As DataView
[JScript] public function get DataView(): DataView;
Description
Gets the System.Data.DataView to which this row belongs.
IsEdit
ToString
[C#] public bool IsEdit {get;}
[C++] public:property bool get_IsEdit();
[VB] Public ReadOnly Property IsEdit As Boolean
[JScript] public function get IsEdit(): Boolean;

```
Description
           Indicates whether the row is in edit mode.
3
           IsNew
           ToString
5
6
    [C#] public bool IsNew {get;}
7
    [C++] public: property bool get IsNew();
8
    [VB] Public ReadOnly Property IsNew As Boolean
9
    [JScript] public function get IsNew(): Boolean;
10
11
    Description
12
           Indicates whether a System.Data.DataRowView is new.
13
           Item
14
           ToString
15
16
    [C#] public object this[string property] {get; set;}
17
    [C++] public: __property Object* get_Item(String* property);public: __property
18
    void set Item(String* property, Object*);
19
    [VB] Public Default Property Item(ByVal property As String) As Object
20
    [JScript] returnValue =
21
    DataRowViewObject.Item(property);DataRowViewObject.Item(property) =
22
    returnValue;
23
24
    Description
25
```

	1	Gets or sets a value in a specified column. String that contains the
	2	specified column.
	3	Item
	4	ToString
	5	
	6	[C#] public object this[int ndx] {get; set;}
	7	[C++] public:property Object* get_Item(int ndx);public:property void
	8	set_Item(int ndx, Object*);
	9	[VB] Public Default Property Item(ByVal ndx As Integer) As Object
ű ű	10	[JScript] returnValue =
	11	DataRowViewObject.Item(ndx);DataRowViewObject.Item(ndx) = returnValue;
#- 4.4 4.7 F- 2 4.7 - 4.4 7.4 5.1 6.1 6.1 6.1 6.1 6.1	12	Gets or sets a value in a specified column.
	13	
	14	Description
= = = =	15	Gets or sets a value in a specified column. The specified column.
- "	16	Row
	17	ToString
	18	
	19	[C#] public DataRow Row {get;}
	20	[C++] public:property DataRow* get_Row();
	21	[VB] Public ReadOnly Property Row As DataRow
	22	[JScript] public function get Row() : DataRow;
	23	
	24	Description
	25	Gets the System.Data.DataRow being viewed.

1	RowVersion
2	ToString
3	
4	[C#] public DataRowVersion RowVersion {get;}
5	[C++] public:property DataRowVersion get_RowVersion();
6	[VB] Public ReadOnly Property RowVersion As DataRowVersion
7	[JScript] public function get RowVersion(): DataRowVersion;
8	
9	Description
10	Gets the current version description of the System.Data.DataRow.
11	For more details, see System.Data.DataRowVersion.
12	BeginEdit
13	
14	[C#] public void BeginEdit();
15	[C++] public:sealed void BeginEdit();
16	[VB] NotOverridable Public Sub BeginEdit()
17	[JScript] public function BeginEdit();

Description

21

22

23

24

25

Begins an edit procedure.

The System.Data.DataRowView.BeginEdit method is identical to the System.Data.DataRow.BeginEdit method of the System.Data.DataRow . After calling System.Data.DataRowView.BeginEdit , any changes made to the System.Data.DataRowView can be rolled back by calling ${\bf System. Data. Data Row. Cancel Edit}\ .\ Call\ the$

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.DataRowView.BeginEdit method before allowing users to change row values. After values have been changed, you retrieve the new values by setting the System.Data.DataRowView.RowVersion to DataRowVersion.Proposed. Check the values with a business rule, and roll back the changes if needed by calling System.Data.DataRowView.CancelEdit, or call System.Data.DataRowView.EndEdit to accept the changes. CancelEdit [C#] public void CancelEdit(); [C++] public: sealed void CancelEdit(); [VB] NotOverridable Public Sub CancelEdit() [JScript] public function CancelEdit(); Description Cancels an edit procedure. After calling System.Data.DataRowView.CancelEdit, all changes to the row are rolled back. You can also roll back changes by calling System.Data.DataTable.RejectChanges on the parent System.Data.DataTable. CreateChildView [C#] public DataView CreateChildView(DataRelation relation);

[C++] public: DataView* CreateChildView(DataRelation* relation);

[VB] Public Function CreateChildView(ByVal relation As DataRelation) As

DataView

[JScript] public function CreateChildView(relation : DataRelation) : DataView;

Returns a System.Data.DataView for the child System.Data.DataTable. 2 Description 3 Returns a System.Data.DataView for the child System.Data.DataTable with the specified DataRelation. The System.Data.DataRelation object. 5 CreateChildView 6 7 [C#] public DataView CreateChildView(string relationName); 8 [C++] public: DataView* CreateChildView(String* relationName); 9 [VB] Public Function CreateChildView(ByVal relationName As String) As 10 **DataView** 11 [JScript] public function CreateChildView(relationName : String) : DataView; 12 13 Description 14 Returns a System.Data.DataView for the child System.Data.DataTable 15 with the specified DataRelation name. A string containing the 16 System.Data.DataRelation name. 17 Delete 18 19 [C#] public void Delete(); 20 [C++] public: void Delete(); 21 [VB] Public Sub Delete() 22 [JScript] public function Delete(); 23 24 Description 25

Deletes a row.

The row is not

1

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

The row is not permanently deleted until

System.Data.DataTable.AcceptChanges is invoked on the

System.Data.DataTable that row belongs to.

EndEdit

[C#] public void EndEdit();

[C++] public: __sealed void EndEdit();

[VB] NotOverridable Public Sub EndEdit()

[JScript] public function EndEdit();

Description

Ends an edit procedure.

Equals

[C#] public override bool Equals(object other);

[C++] public: bool Equals(Object* other);

[VB] Overrides Public Function Equals(ByVal other As Object) As Boolean

[JScript] public override function Equals(other: Object): Boolean;

Description

Gets a value indicating whether the current **System.Data.DataRowView** is identical to the specified object.

Return Value: true, if object is a System.Data.DataRowView and it returns the

169

same row as the current System.Data.DataRowView; otherwise, false. An 1 System.Object to be compared. 2 GetHashCode 3 4 [C#] public override int GetHashCode(); 5 [C++] public: int GetHashCode(); 6 [VB] Overrides Public Function GetHashCode() As Integer 7 [JScript] public override function GetHashCode(): int; 8 Description 10 Returns the hash code of the System.Data.DataRow object. 11 Return Value: A 32-bit signed integer hash code, one, which represents Boolean 12 true if the value of this instance is nonzero; otherwise, the integer, zero, which 13 represents Boolean false. 14 ICustomTypeDescriptor.GetAttributes 15 16 [C#] AttributeCollection ICustomTypeDescriptor.GetAttributes(); 17 [C++] AttributeCollection* ICustomTypeDescriptor::GetAttributes(); 18 [VB] Function GetAttributes() As AttributeCollection Implements 19 ICustomTypeDescriptor.GetAttributes 20 [JScript] function ICustomTypeDescriptor.GetAttributes(): AttributeCollection; 21 ICustomTypeDescriptor.GetClassName 22 23 [C#] string ICustomTypeDescriptor.GetClassName(); 24 [C++] String* ICustomTypeDescriptor::GetClassName(); 25

1	[VB] Function GetClassName() As String Implements
2	ICustomTypeDescriptor.GetClassName
3	[JScript] function ICustomTypeDescriptor.GetClassName() : String;
4	ICustomTypeDescriptor.GetComponentName
5	
6	[C#] string ICustomTypeDescriptor.GetComponentName();
7	[C++] String* ICustomTypeDescriptor::GetComponentName();
8	[VB] Function GetComponentName() As String Implements
9	ICustomTypeDescriptor.GetComponentName
10	[JScript] function ICustomTypeDescriptor.GetComponentName(): String;
11	ICustomTypeDescriptor.GetConverter
12	
13	[C#] TypeConverter ICustomTypeDescriptor.GetConverter();
14	[C++] TypeConverter* ICustomTypeDescriptor::GetConverter();
15	[VB] Function GetConverter() As TypeConverter Implements
16	ICustomTypeDescriptor.GetConverter
17	[JScript] function ICustomTypeDescriptor.GetConverter(): TypeConverter;
18	ICustomTypeDescriptor.GetDefaultEvent
19	
20	[C#] EventDescriptor ICustomTypeDescriptor.GetDefaultEvent();
21	[C++] EventDescriptor* ICustomTypeDescriptor::GetDefaultEvent();
22	[VB] Function GetDefaultEvent() As EventDescriptor Implements
23	ICustomTypeDescriptor.GetDefaultEvent
24	[JScript] function ICustomTypeDescriptor.GetDefaultEvent(): EventDescriptor;
25	ICustomTypeDescriptor.GetDefaultProperty

1	
2	[C#] PropertyDescriptor ICustomTypeDescriptor.GetDefaultProperty();
3	[C++] PropertyDescriptor* ICustomTypeDescriptor::GetDefaultProperty();
4	[VB] Function GetDefaultProperty() As PropertyDescriptor Implements
5	ICustomTypeDescriptor.GetDefaultProperty
6	[JScript] function ICustomTypeDescriptor.GetDefaultProperty():
7	PropertyDescriptor;
8	ICustomTypeDescriptor.GetEditor
9	
10	[C#] object ICustomTypeDescriptor.GetEditor(Type editorBaseType);
11	[C++] Object* ICustomTypeDescriptor::GetEditor(Type* editorBaseType);
12	[VB] Function GetEditor(ByVal editorBaseType As Type) As Object Implements
13	ICustomTypeDescriptor.GetEditor
14	[JScript] function ICustomTypeDescriptor.GetEditor(editorBaseType: Type):
15	Object;
16	ICustomTypeDescriptor.GetEvents
17	
18	[C#] EventDescriptorCollection ICustomTypeDescriptor.GetEvents();
19	[C++] EventDescriptorCollection* ICustomTypeDescriptor::GetEvents();
20	[VB] Function GetEvents() As EventDescriptorCollection Implements
21	ICustomTypeDescriptor.GetEvents
22	[JScript] function ICustomTypeDescriptor.GetEvents():
23	EventDescriptorCollection;
24	ICustomTypeDescriptor.GetEvents
25	

1	
2	[C#] EventDescriptorCollection ICustomTypeDescriptor.GetEvents(Attribute[]
3	attributes);
4	[C++] EventDescriptorCollection* ICustomTypeDescriptor::GetEvents(Attribute
5	attributes[]);
6	[VB] Function GetEvents(ByVal attributes() As Attribute) As
7	EventDescriptorCollection Implements ICustomTypeDescriptor.GetEvents
8	[JScript] function ICustomTypeDescriptor.GetEvents(attributes : Attribute[]) :
9	EventDescriptorCollection;
10	ICustomTypeDescriptor.GetProperties
11	
12	[C#] PropertyDescriptorCollection ICustomTypeDescriptor.GetProperties();
13	[C++] PropertyDescriptorCollection* ICustomTypeDescriptor::GetProperties();
14	[VB] Function GetProperties() As PropertyDescriptorCollection Implements
15	ICustomTypeDescriptor.GetProperties
16	[JScript] function ICustomTypeDescriptor.GetProperties():
17	PropertyDescriptorCollection;
18	ICustomTypeDescriptor.GetProperties
19	
20	[C#] PropertyDescriptorCollection
21	ICustomTypeDescriptor.GetProperties(Attribute[] attributes);
22	[C++] PropertyDescriptorCollection*
23	ICustomTypeDescriptor::GetProperties(Attribute* attributes[]);
24	[VB] Function GetProperties(ByVal attributes() As Attribute) As
25	PropertyDescriptorCollection Implements ICustomTypeDescriptor.GetProperties
-	

18

19

20

21

22

23

24

25

[JScript] function ICustomTypeDescriptor.GetProperties(attributes : Attribute[]) : l PropertyDescriptorCollection; 2 ICustomTypeDescriptor.GetPropertyOwner 3 4 [C#] object ICustomTypeDescriptor.GetPropertyOwner(PropertyDescriptor pd); 5 [C++] Object* ICustomTypeDescriptor::GetPropertyOwner(PropertyDescriptor* 6 pd); 7 [VB] Function GetPropertyOwner(ByVal pd As PropertyDescriptor) As Object 8 Implements ICustomTypeDescriptor.GetPropertyOwner 9 [JScript] function ICustomTypeDescriptor.GetPropertyOwner(pd: 10 PropertyDescriptor): Object; 11 DataSet class (System.Data) 12 **ToString** 13 14 15 Description 16

Represents an in-memory cache of data.

The System.Data.DataSet, which is an in-memory cache of data retrieved from a database, is a major component of the ADO.NET architecture. The System.Data.DataSet consists of a collection of System.Data.DataTable objects that you can relate to each other with System.Data.DataRelation objects. You can also enforce data integrity in the System.Data.DataSet by using the System.Data.UniqueConstraint and System.Data.ForeignKeyConstraint objects. For further details about working with System.Data.DataSet objects, see

1	DataSet
2	Example Syntax:
3	ToString
4	
5	[C#] public DataSet();
6	[C++] public: DataSet();
7	[VB] Public Sub New()
8	[JScript] public function DataSet(); Initializes a new instance of the
9	System.Data.DataSet class.
10	
11	Description
12	Initializes a new instance of the System.Data.DataSet class.
13	This implementation of the System.Data.DataSet constructor takes no
14	parameters, and creates a default name, "NewDataSet", for the new instance.
15	DataSet
16	Example Syntax:
17	ToString
18	
19	[C#] public DataSet(string dataSetName);
20	[C++] public: DataSet(String* dataSetName);
21	[VB] Public Sub New(ByVal dataSetName As String)
22	[JScript] public function DataSet(dataSetName : String);
23	· · · · · · · · · · · · · · · · · · ·
24	Description
25	

Initializes a new instance of a **System.Data.DataSet** class with the given name.

A name for the **System.Data.DataSet** is required to ensure that the XML representation of the **System.Data.DataSet** always has a name for the document element, which is the highest level element in a schema definition. The name of the **System.Data.DataSet**.

DataSet

Example Syntax:

ToString

[C#] protected DataSet(SerializationInfo info, StreamingContext context);

[C++] protected: DataSet(SerializationInfo* info, StreamingContext context);

[VB] Protected Sub New(ByVal info As SerializationInfo, ByVal context As

[JScript] protected function DataSet(info : SerializationInfo, context :

StreamingContext);

StreamingContext)

Description

Initializes a new instance of the System.Data.DataSet class with the System.Runtime.Serialization.SerializationInfo and the System.Runtime.Serialization.StreamingContext.

This implemenation of the **System.Data.DataSet** constructor is required for **System.Runtime.Serialization.ISerializable**. The data needed to serialize or deserialize an object. The source and destination of a given serialized stream.

CaseSensitive

1	ToString
2	
3	[C#] public bool CaseSensitive {get; set;}
4	[C++] public:property bool get_CaseSensitive();public:property void
5	set_CaseSensitive(bool);
6	[VB] Public Property CaseSensitive As Boolean
7	[JScript] public function get CaseSensitive(): Boolean; public function set
8	CaseSensitive(Boolean);
9	
10	Description
11	Gets or sets a value indicating whether string comparisons within
12	System.Data.DataTable objects are case-sensitive.
13	The System.Data.DataSet.CaseSensitive property affects how sorting,
14	searching, and filtering operations are performed on each
15	System.Data.DataTable contained in a System.Data.DataSet when using the
16	System.Data.DataTable.Select method.
17	Container
18	DataSetName
19	ToString
20	
21	
22	Description
23	Gets or sets the name of the current System.Data.DataSet.
24	DefaultViewManager
25	ToString

1 [C#] public DataViewManager DefaultViewManager {get;} 2 [C++] public: property DataViewManager* get DefaultViewManager(); 3 [VB] Public ReadOnly Property DefaultViewManager As DataViewManager [JScript] public function get DefaultViewManager(): DataViewManager; 5 6 Description 7 Gets a custom view of the data contained by the System.Data.DataSet that 8 allows filtering, searching, and navigating using a custom 9 System.Data.DataViewManager. 10 The System.Data.DataViewManager returned by the 11 System.Data.DataSet.DefaultViewManager property allows you to create 12 custom settings for each System.Data.DataTable in the System.Data.DataSet . 13 When you add System.Data.DataTable objects to the 14 System.Data.DataTableCollection, each table is automatically configured to 15 display rows according to the specified property settings of the 16 System.Data.DataView, including sort order, filtering, and 17 System.Data.DataViewRowState. 18 DesignMode 19 **EnforceConstraints** 20 **ToString** 21 22 23 Description 24

178

Gets or sets a value indicating whether constraint rules are followed when attempting any update operation.

See the System.Data.DataTable.Constraints property for more details.

Events

l

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

ExtendedProperties

ToString

Description

Gets the collection of custom user information.

The **System.Data.DataSet.ExtendedProperties** property allows you to store custom information with the object. For example, you may store a time when the data should be refreshed.

HasErrors

ToString

[C#] public bool HasErrors {get;}

[C++] public: __property bool get_HasErrors();

[VB] Public ReadOnly Property HasErrors As Boolean

[JScript] public function get HasErrors(): Boolean;

Description

Gets a value indicating whether there are errors in any of the rows in any of the tables of this **System.Data.DataSet** .

2

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

The System.Data.DataSet.HasErrors property is usually consulted after creating using the System.Data.DataSet.GetChanges method. Check the System.Data.DataSet.HasErrors property of the System.Data.DataSet created with the System.Data.DataSet.GetChanges method to determine if any errors exists. If so, you should reconcile the errors before proceeding to update the data source with the changes.

Locale

ToString

[C#] public CultureInfo Locale {get; set;}

[C++] public: __property CultureInfo* get_Locale();public: __property void set Locale(CultureInfo*);

[VB] Public Property Locale As CultureInfo

[JScript] public function get Locale() : CultureInfo;public function set

Locale(CultureInfo);

Description

Gets or sets the locale information used to compare strings within the table.

The **System.Data.DataSet.Locale** property specifies the locale for which sorting will apply.

Namespace

ToString

[C#] public string Namespace {get; set;}

[C++] public: __property String* get_Namespace();public: __property void

1	set_Namespace(String*);
2	[VB] Public Property Namespace As String
3	[JScript] public function get Namespace() : String; public function set
4	Namespace(String);
5	•
6	Description
7	Gets or sets the namespace of the System.Data.DataSet.
8	The System.Data.DataSet.Namespace property is used when reading and
9	writing an XML document into the System.Data.DataSet using the
10	System.Data.DataSet.ReadXml(System.Xml.XmlReader),
11	System.Data.DataSet.WriteXml(System.IO.Stream),
12	System.Data.DataSet.ReadXmlSchema(System.Xml.XmlReader), or
13	System.Data.DataSet.WriteXmlSchema(System.IO.Stream) methods.
14	Prefix
15	ToString
16	
17	[C#] public string Prefix {get; set;}
18	[C++] public:property String* get_Prefix();public:property void
19	set_Prefix(String*);
20	[VB] Public Property Prefix As String
21	[JScript] public function get Prefix(): String; public function set Prefix(String);
22	
23	Description
24	Gets or sets an XML prefix that aliases the namespace of the
25	System.Data.DataSet .

The System.Data.DataSet.Prefix is used throughout an XML document to 1 identify elements which belong to the System. Data. DataSet object's namespace 2 (as set by the System.Data.DataSet.Namespace property). 3 Relations 4 **ToString** 5 6 [C#] public DataRelationCollection Relations {get;} 7 [C++] public: property DataRelationCollection* get Relations(); 8 [VB] Public ReadOnly Property Relations As DataRelationCollection 9 [JScript] public function get Relations(): DataRelationCollection; 10 11 Description 12 Get the collection of relations that link tables and allow navigation from 13 parent tables to child tables. 14 Site 15 **ToString** 16 17 [C#] public override ISite Site {get; set;} 18 [C++] public: property virtual ISite* get Site();public: property virtual void 19 set Site(ISite*); 20 [VB] Overrides Public Property Site As ISite 21 [JScript] public function get Site(): ISite; public function set Site(ISite); 22 23 Description 24 25

Gets or sets an System.ComponentModel.ISite for the System.Data.DataSet . 2 Sites bind a System.ComponentModel.Component to a 3 System.ComponentModel.Container and enable communication between them, 4 as well as provide a way for the container to manage its components. 5 Tables 6 **ToString** 7 8 [C#] public DataTableCollection Tables {get;} 9 [C++] public: property DataTableCollection* get Tables(); 10 [VB] Public ReadOnly Property Tables As DataTableCollection 11 [JScript] public function get Tables(): DataTableCollection; 12 13 Description 14 Gets the collection of tables contained in the System.Data.DataSet . 15 To add tables to the collection, use 16 System.Data.DataTableCollection.Add(System.Data.DataTable) method of the 17 System.Data.DataTableCollection . To remove tables, use the 18 System.Data.DataTableCollection.Remove(System.Data.DataTable) method. 19 **ToString** 20 21 22 Description 23 Occurs when a target and source System.Data.DataRow have the same 24

primary key value, and System.Data.DataSet.EnforceConstraints is set to true.

For more information about handling events, see .

AcceptChanges

[C#] public void AcceptChanges();

[C++] public: void AcceptChanges();

[VB] Public Sub AcceptChanges()

[JScript] public function AcceptChanges();

Description

Commits all the changes made to this **System.Data.DataSet** since it was loaded or the last time **System.Data.DataSet.AcceptChanges** was called.

Both the System.Data.DataRow and System.Data.DataTable classes also have System.Data.DataSet.AcceptChanges methods. Invoking System.Data.DataSet.AcceptChanges on the System.Data.DataSet causes System.Data.DataTable.AcceptChanges to be called on each table in a System.Data.DataSet. Consequently, calling System.Data.DataTable.AcceptChanges on each System.Data.DataTable causes each System.Data.DataRow object's System.Data.DataRow.AcceptChanges method to be called. In this manner, you have multiple levels at which the method can be invoked. Calling the System.Data.DataSet.AcceptChanges of the System.Data.DataSet however,

allows you to invoke the method on all subordinate objects (for example, tables and rows) with one call.

BeginInit

[C#] public void BeginInit(); 2 [C++] public: __sealed void BeginInit(); 3 [VB] NotOverridable Public Sub BeginInit() [JScript] public function BeginInit(); 5 6 Description 7 Begins the initialization of a System.Data.DataSet that is used on a form 8 or used by another component. The initialization occurs at runtime. 9 The Visual Studio.NET design environment uses this method to start the 10 initialization of a component that is used on a form or used by another component. 11 The System.Data.DataSet.EndInit method ends the initialization. Using the 12 BeginInit and EndInit methods prevents the control from being used before it is 13 fully initialized. 14 Clear 15 16 [C#] public void Clear(); 17 [C++] public: void Clear(); 18 [VB] Public Sub Clear() 19 [JScript] public function Clear(); 20 21 Description 22 Clears the System.Data.DataSet of any data by removing all rows in all 23 tables. 24

185 M51-864US.APP

25

Clone

1	
2	[C#] public DataSet Clone();
3	[C++] public: DataSet* Clone();
4	[VB] Public Function Clone() As DataSet
5	[JScript] public function Clone(): DataSet;
6	
7	Description
8	Clones the structure of the System.Data.DataSet, including all
9	System.Data.DataTable schemas, relations, and constraints.
10	Return Value: A new System.Data.DataSet with the same schema as the curren
11	System.Data.DataSet .
12	If these classes have been subclassed, the clone will also be of the same
13	subclasses.
14	Сору
15	
16	[C#] public DataSet Copy();
17	[C++] public: DataSet* Copy();
18	[VB] Public Function Copy() As DataSet
19	[JScript] public function Copy() : DataSet;
20	
21	Description
22	Copies both the structure and data for this System.Data.DataSet.
23	Return Value: A new System.Data.DataSet with the same structure (table
24	schemas, relations, and constraints) and data as this System.Data.DataSet.
25	EndInit

[C#] public void EndInit(); 2 [C++] public: sealed void EndInit(); 3 [VB] NotOverridable Public Sub EndInit() [JScript] public function EndInit(); 5 6 Description 7 Ends the initialization of a System.Data.DataSet that is used on a form or 8 used by another component. The initialization occurs at runtime. 9 The Visual Studio.NET design environment uses this method to end the 10 initialization of a component that is used on a form or used by another component. 11 The System.Data.DataSet.BeginInit method starts the initialization. Using the 12 BeginInit and EndInit methods prevents the control from being used before it is 13 fully initialized. 14 GetChanges 15 16 [C#] public DataSet GetChanges(); 17 [C++] public: DataSet* GetChanges(); 18 [VB] Public Function GetChanges() As DataSet 19 [JScript] public function GetChanges(): DataSet; Gets a copy of the 20 System.Data.DataSet containing all changes made to it since it was last loaded, 21 or since System.Data.DataSet.AcceptChanges was called. 22 23 Description 24

lee@hayes pik 509-324-9256

Gets a copy of the System.Data.DataSet that contains all changes made to it since it was loaded or System.Data.DataSet.AcceptChanges was last called.

Return Value: A copy of the changes from this System.Data.DataSet that can have actions performed on it and subsequently be merged back in using System.Data.DataSet.Merge(System.Data.DataSet), or null if none are found.

Gets a copy of the **System.Data.DataSet** that contains all changes made to it since it was loaded or **System.Data.DataSet.AcceptChanges** was last called. This copy is particularly designed so that it can be merged back in to this original **System.Data.DataSet**. Relationship constraints may cause Unchanged parent rows to be included. If no rows of these rowStates are found, this method returns **null**.

GetChanges

[C#] public DataSet GetChanges(DataRowState rowStates);

[C++] public: DataSet* GetChanges(DataRowState rowStates);

[VB] Public Function GetChanges(ByVal rowStates As DataRowState) As

[JScript] public function GetChanges(rowStates : DataRowState) : DataSet;

Description

DataSet

Gets a copy of the System.Data.DataSet containing all changes made to it since it was last loaded, or since System.Data.DataSet.AcceptChanges was called, filtered by System.Data.DataRowState.

Return Value: A filtered copy of the System.Data.DataSet that can have actions performed on it, and subsequently be merged back in using

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

System.Data.DataSet.Merge(System.Data.DataSet). If no rows of the desired System.Data.DataRowState are found, the method returns null.

The System.Data.DataSet.GetChanges method is used to produce a second System.Data.DataSet object which contains only the changes introduced into the original. Use the *rowStates* argument to specify the type of changes the new object should include. One of the System.Data.DataRowState values.

GetNestedChanges

[C#] public DataSet GetNestedChanges(DataRowState rowStates);

[C++] public: DataSet* GetNestedChanges(DataRowState rowStates);

[VB] Public Function GetNestedChanges(ByVal rowStates As DataRowState) As

DataSet

[JScript] public function GetNestedChanges(rowStates : DataRowState) : DataSet;

Description

GetSchemaSerializable

[C#] protected virtual XmlSchema GetSchemaSerializable();

[C++] protected: virtual XmlSchema* GetSchemaSerializable();

[VB] Overridable Protected Function GetSchemaSerializable() As XmlSchema

[JScript] protected function GetSchemaSerializable(): XmlSchema;

Description

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Retrieves an System.Xml.XmlTextReader for the implementation of IXmlSerializable.

Return Value: An System.Xml.XmlTextReader.

A user should not call **System.Data.DataSet.GetSchemaSerializable** directly.

GetSerializationData

[C#] protected void GetSerializationData(SerializationInfo info, StreamingContext context);

[C++] protected: void GetSerializationData(SerializationInfo* info,

StreamingContext context);

[VB] Protected Sub GetSerializationData(ByVal info As SerializationInfo, ByVal context As StreamingContext)

[JScript] protected function GetSerializationData(info : SerializationInfo, context : StreamingContext);

Description

Retrieves System.Runtime.Serialization.SerializationInfo and System.Runtime.Serialization.StreamingContext information for the implementation of IXmlSerializable.

Return Value: System.Runtime.Serialization.SerializationInfo and System.Runtime.Serialization.StreamingContext information.

A user should not call

System.Data.DataSet.GetSerializationData(System.Runtime.Serialization.SerializationInfo,System.Runtime.Serialization.StreamingContext) directly. The

data needed to serialize or deserialize an object. The source and destination of a given serialized stream. 2 GetXml 3 [C#] public string GetXml(); 5 [C++] public: String* GetXml(); 6 [VB] Public Function GetXml() As String 7 [JScript] public function GetXml(): String; 8 9 Description 10 Returns the XML representation of the data stored in the 11 System.Data.DataSet . 12 Return Value: String that is a representation of the data stored in the 13 System.Data.DataSet . 14 If the System. Data. Data Set has changes, calling this method is identical to 15 calling System.Data.DataSet.WriteXml(System.IO.Stream) with 16 XmlWriteMode set to **DiffGram**; otherwise it is equivalent to calling 17 System.Data.DataSet.WriteXml(System.IO.Stream) with XmlWriteMode set to 18 IgnoreSchema. 19 GetXmlSchema 20 21 [C#] public string GetXmlSchema(); 22 [C++] public: String* GetXmlSchema(); 23 [VB] Public Function GetXmlSchema() As String 24 [JScript] public function GetXmlSchema(): String; 25

Description Returns the XSD schema for the XML representation of the data stored in 3 the System.Data.DataSet. Return Value: String that is the XSD schema for the XML representation of the 5 data stored in the System.Data.DataSet . 6 Calling this method is identical to calling 7 System.Data.DataSet.WriteXmlSchema(System.IO.Stream), except that only 8 the primary schema is written. 9 HasChanges 10 11 [C#] public bool HasChanges(); 12 [C++] public: bool HasChanges(); 13 [VB] Public Function HasChanges() As Boolean 14 [JScript] public function HasChanges(): Boolean; Gets a value indicating whether 15 the System.Data.DataSet has changes, including new, deleted, or modified rows. 16 17 Description 18 Gets a value indicating whether the System. Data. DataSet has changes, 19 including new, deleted, or modified rows. 20 Return Value: true, if the System.Data.DataSet has changes; otherwise, false. 21 HasChanges 22 23 [C#] public bool HasChanges(DataRowState rowStates); 24

[C++] public: bool HasChanges(DataRowState rowStates);

[VB] Public Function HasChanges(ByVal rowStates As DataRowState) As
Boolean
[JScript] public function HasChanges(rowStates : DataRowState) : Boolean;

Description

Gets a value indicating whether the **System.Data.DataSet** has changes, including new, deleted, or modified rows, filtered by **System.Data.DataRowState**

Return Value: true, if the System.Data.DataSet has changes; otherwise, false.

Examine the System.Data.DataSet.HasChanges property before invoking System.Data.DataSet.GetChanges method. One of the System.Data.DataRowState values.

InferXmlSchema

```
[C#] public void InferXmlSchema(Stream stream, string[] nsArray);
[C++] public: void InferXmlSchema(Stream* stream, String* nsArray __gc[]);
[VB] Public Sub InferXmlSchema(ByVal stream As Stream, ByVal nsArray() As String)
[JScript] public function InferXmlSchema(stream : Stream, nsArray : String[]);
```

Description

Infers the XML schema from the specified System.IO.TextReader into the System.Data.DataSet. The System.IO.Stream from which to read. An array of namespace URI strings to be excluded from schema inference.

InferXmlSchema

25

[C#] public void InferXmlSchema(string fileName, string[] nsArray); 2 [C++] public: void InferXmlSchema(String* fileName, String* nsArray __gc[]); 3 [VB] Public Sub InferXmlSchema(ByVal fileName As String, ByVal nsArray() As String) 5 [JScript] public function InferXmlSchema(fileName : String, nsArray : String[]); 6 7 Description 8 Infers the XML schema from the specified file into the 9 System.Data.DataSet. The file name (including the path) from which to read. An 10 array of namespace URI strings to be excluded from schema inference. 11 InferXmlSchema 12 13 [C#] public void InferXmlSchema(TextReader reader, string[] nsArray); 14 [C++] public: void InferXmlSchema(TextReader* reader, String* nsArray 15 __gc[]); 16 [VB] Public Sub InferXmlSchema(ByVal reader As TextReader, ByVal nsArray() 17 As String) 18 [JScript] public function InferXmlSchema(reader: TextReader, nsArray: 19 String[]); 20 21 Description 22 Infers the XML schema from the specified System.IO.TextReader into the 23 System.Data.DataSet. The System.IO.TextReader from which to read. An

array of namespace URI strings to be excluded from schema inference.

InferXmlSchema

[C#] public void InferXmlSchema(XmlReader reader, string[] nsArray);
[C++] public: void InferXmlSchema(XmlReader* reader, String* nsArray __gc[]);
[VB] Public Sub InferXmlSchema(ByVal reader As XmlReader, ByVal nsArray()
As String)
[JScript] public function InferXmlSchema(reader: XmlReader, nsArray:
String[]); Infers the XML schema from the specified System.IO.TextReader or file into the System.Data.DataSet.

Description

Infer the XML schema from the specified System.IO.TextReader into the System.Data.DataSet. The System.IO.TextReader from which to read. An array of namespace URI strings to be excluded from schema inference.

Merge

[C#] public void Merge(DataRow[] rows);
[C++] public: void Merge(DataRow* rows[]);
[VB] Public Sub Merge(ByVal rows() As DataRow)
[JScript] public function Merge(rows : DataRow[]);

Description

Merges this **System.Data.DataSet** with an array of **System.Data.DataRow** objects.

The System.Data.DataSet.Merge(System.Data.DataSet) method is used to merge two System.Data.DataSet objects that have largely similar schemas. A merge is typically used on a client application to incorporate the latest changes from a data source into an existing System.Data.DataSet. This allows the client application to have a refreshed System.Data.DataSet with the latest data from the data source. The array of System.Data.DataRow objects that will be merged into the System.Data.DataSet.

Merge

[C#] public void Merge(DataSet dataSet);

[C++] public: void Merge(DataSet* dataSet);

[VB] Public Sub Merge(ByVal dataSet As DataSet)

[JScript] public function Merge(dataSet : DataSet); Merges this

System.Data.DataSet with a specified System.Data.DataSet.

Description

Merges this System.Data.DataSet into a specified System.Data.DataSet.

The System.Data.DataSet.Merge(System.Data.DataSet) method is used to merge two System.Data.DataSet objects that have largely similar schemas. A merge is typically used on a client application to incorporate the latest changes from a data source into an existing System.Data.DataSet. This allows the client application to have a refreshed System.Data.DataSet with the latest data from the data source. The System.Data.DataSet whose data and schema will be merged.

Merge

[C#] public void Merge(DataTable table); [C++] public: void Merge(DataTable* table); [VB] Public Sub Merge(ByVal table As DataTable) [JScript] public function Merge(table: DataTable); 5 6 Description 7 Merges a System.Data.DataSet with a specified System.Data.DataTable. 8 The System.Data.DataSet.Merge(System.Data.DataSet) method is used 9 to merge two System. Data. Data Set objects that have largely similar schemas. A 10 merge is typically used on a client application to incorporate the latest changes 11 from a data source into an existing System.Data.DataSet. This allows the client 12 application to have a refreshed System. Data. Data Set with the latest data from the 13 data source. The System.Data.DataTable whose data and schema will be merged. 14 Merge 15 16 [C#] public void Merge(DataSet dataSet, bool preserveChanges); 17 [C++] public: void Merge(DataSet* dataSet, bool preserveChanges); 18 [VB] Public Sub Merge(ByVal dataSet As DataSet, ByVal preserveChanges As 19 Boolean) 20 [JScript] public function Merge(dataSet : DataSet, preserveChanges : Boolean); 21 22 Description 23 Merges this System.Data.DataSet with a specified System.Data.DataSet 24

preserving changes according to the specified argument.

The System.Data.DataSet.Merge(System.Data.DataSet) method is used to merge two System.Data.DataSet objects that have largely similar schemas. A merge is typically used on a client application to incorporate the latest changes from a data source into an existing System.Data.DataSet. This allows the client application to have a refreshed System.Data.DataSet with the latest data from the data source. The System.Data.DataSet whose data and schema will be merged. A value indicating whether changes made to the current System.Data.DataSet should be maintained.

Merge

[C#] public void Merge(DataRow[] rows, bool preserveChanges,

MissingSchemaAction missingSchemaAction);

[C++] public: void Merge(DataRow* rows[], bool preserveChanges,

MissingSchemaAction missingSchemaAction);

[VB] Public Sub Merge(ByVal rows() As DataRow, ByVal preserveChanges As

Boolean, ByVal missingSchemaAction As MissingSchemaAction)

[JScript] public function Merge(rows : DataRow[], preserveChanges : Boolean,

missingSchemaAction: MissingSchemaAction);

Description

Merges this **System.Data.DataSet** with an array of **System.Data.DataRow** objects, preserving changes according to the specified argument, and handling an incompatible schema according to the specified argument.

The System.Data.DataSet.Merge(System.Data.DataSet) method is used to merge two System.Data.DataSet objects that have largely similar schemas. A

merge is typically used on a client application to incorporate the latest changes from a data source into an existing System.Data.DataSet. This allows the client application to have a refreshed System.Data.DataSet with the latest data from the data source. The array of System.Data.DataRow objects to merge with. true to preserve changes made to the System.Data.DataSet; otherwise, false. One of the System.Data.MissingSchemaAction values.

Merge

[C#] public void Merge(DataSet dataSet, bool preserveChanges,

MissingSchemaAction missingSchemaAction);

[C++] public: void Merge(DataSet* dataSet, bool preserveChanges,

MissingSchemaAction missingSchemaAction);

[VB] Public Sub Merge(ByVal dataSet As DataSet, ByVal preserveChanges As Boolean, ByVal missingSchemaAction As MissingSchemaAction)

[JScript] public function Merge(dataSet : DataSet, preserveChanges : Boolean, missingSchemaAction : MissingSchemaAction);

Description

Merges this **System.Data.DataSet** with a specified **System.Data.DataSet** preserving changes according to the specified argument, and handling an incompatible schema according to the specified argument.

The System.Data.DataSet.Merge(System.Data.DataSet) method is used to merge two System.Data.DataSet objects that have largely similar schemas. A merge is typically used on a client application to incorporate the latest changes from a data source into an existing System.Data.DataSet. This allows the client

application to have a refreshed **System.Data.DataSet** with the latest data from the data source. The **System.Data.DataSet** whose data and schema will be merged. A value indicating whether changes in the current (target) **System.Data.DataSet** should be maintained. One of the **System.Data.MissingSchemaAction** values.

Merge

[C#] public void Merge(DataTable table, bool preserveChanges,

MissingSchemaAction missingSchemaAction);

[C++] public: void Merge(DataTable* table, bool preserveChanges,

MissingSchemaAction missingSchemaAction);

[VB] Public Sub Merge(ByVal table As DataTable, ByVal preserveChanges As

Boolean, ByVal missingSchemaAction As MissingSchemaAction)

[JScript] public function Merge(table: DataTable, preserveChanges: Boolean,

missingSchemaAction: MissingSchemaAction);

Description

Merges this **System.Data.DataTable** with a specified **System.Data.DataTable** preserving changes according to the specified argument, and handling an incompatible schema according to the specified argument.

The System.Data.DataSet.Merge(System.Data.DataSet) method is used to merge two System.Data.DataSet objects that have largely similar schemas. A merge is typically used on a client application to incorporate the latest changes from a data source into an existing System.Data.DataSet. This allows the client application to have a refreshed System.Data.DataSet with the latest data from the data source. The System.Data.DataSet whose data and schema will be merged.

1	Whether changes in the current (target) System.Data.DataSet should be
2	maintained. One of the System.Data.MissingSchemaAction values.
3	OnPropertyChanging
4	
5	[C#] protected internal virtual void
6	OnPropertyChanging(PropertyChangedEventArgs pcevent);
7	[C++] protected public: virtual void
8	OnPropertyChanging(PropertyChangedEventArgs* pcevent);
9	[VB] Overridable Protected Friend Dim Sub OnPropertyChanging(ByVal pcevent
10	As PropertyChangedEventArgs)
11	[JScript] package function OnPropertyChanging(pcevent:
12	PropertyChangedEventArgs);
13	
14	Description
15	Raises the
16	System.Data.DataSet.OnPropertyChanging(System.ComponentModel.Proper
17	tyChangedEventArgs) event.
18	Raising an event invokes the event handler through a delegate. For an
19	overview, see . A System.ComponentModel.PropertyChangedEventArgs that
20	contains the event data.
21	OnRemoveRelation
22	
23	[C#] protected virtual void OnRemoveRelation(DataRelation relation);
24	[C++] protected: virtual void OnRemoveRelation(DataRelation* relation);
25	[VB] Overridable Protected Sub OnRemoveRelation(ByVal relation As

1	DataRelation)
2	[JScript] protected function OnRemoveRelation(relation: DataRelation);
3	
4	Description
5	This method should be overriden by subclasses to restrict tables being
6	removed. The System.Data.DataRelation being removed.
7	OnRemoveTable
8	
9	[C#] protected virtual void OnRemoveTable(DataTable table);
10	[C++] protected: virtual void OnRemoveTable(DataTable* table);
11	[VB] Overridable Protected Sub OnRemoveTable(ByVal table As DataTable)
12	[JScript] protected function OnRemoveTable(table : DataTable);
13	
14	Description
15	Occurs when when a System.Data.DataTable is being removed.
16	This method can be overriden by subclasses to restrict tables from being
17	removed. The System.Data.DataTable being removed.
18	RaisePropertyChanging
19	
20	[C#] protected internal void RaisePropertyChanging(string name);
21	[C++] protected public: void RaisePropertyChanging(String* name);
22	[VB] Protected Friend Dim Sub RaisePropertyChanging(ByVal name As String)
23	[JScript] package function RaisePropertyChanging(name : String);
24	
25	Description

Sends notification that the specified System.Data.DataSet property is about to change. The name of the property that is about to change. 2 ReadXml 3 [C#] public XmlReadMode ReadXml(Stream stream); 5 [C++] public: XmlReadMode ReadXml(Stream* stream); [VB] Public Function ReadXml(ByVal stream As Stream) As XmlReadMode [JScript] public function ReadXml(stream : Stream) : XmlReadMode; 8 9 Description ' 10 Reads XML schema and data into the System.Data.DataSet using the 11 specified System.IO.Stream. 12 Use the System.Data.DataSet.ReadXml(System.Xml.XmlReader) 13 method to read an XML document that includes both schema and data. An object 14 that derives from System.IO.Stream. 15 ReadXml 16 17 [C#] public XmlReadMode ReadXml(string fileName); 18 [C++] public: XmlReadMode ReadXml(String* fileName); 19 [VB] Public Function ReadXml(ByVal fileName As String) As XmlReadMode 20 [JScript] public function ReadXml(fileName : String) : XmlReadMode; 21 22

Description

23

24

25

Reads XML schema and data into the **System.Data.DataSet** using the specified file.

method to read an XML document that includes both schema and data. The file 2 name (including the path) from which to read. 3 ReadXml 5 [C#] public XmlReadMode ReadXml(TextReader reader); 6 [C++] public: XmlReadMode ReadXml(TextReader* reader); 7 [VB] Public Function ReadXml(ByVal reader As TextReader) As XmlReadMode 8 [JScript] public function ReadXml(reader : TextReader) : XmlReadMode; 9 10 Description 11 Reads XML schema and data into the System.Data.DataSet using the 12 specified System.IO.TextReader. 13 Use the System.Data.DataSet.ReadXml(System.Xml.XmlReader) 14 method to read an XML document that includes both schema and data. An object 15 that derives from the System.IO.TextReader class. 16 ReadXml 17 18 [C#] public XmlReadMode ReadXml(XmlReader reader); 19 [C++] public: XmlReadMode ReadXml(XmlReader* reader); 20 [VB] Public Function ReadXml(ByVal reader As XmlReader) As XmlReadMode 21 [JScript] public function ReadXml(reader : XmlReader) : XmlReadMode; Reads 22 XML schema and data into the System.Data.DataSet . 23 24

Use the System.Data.DataSet.ReadXml(System.Xml.XmlReader)

204

MS1-864US.APP

Description

Reads XML schema and data into the System.Data.DataSet using the specified System.Xml.XmlReader.

Use the System.Data.DataSet.ReadXml(System.Xml.XmlReader) method to read an XML document that includes both schema and data. The System.IO.TextReader from which to read.

ReadXml

[C#] public XmlReadMode ReadXml(Stream stream, XmlReadMode mode);
[C++] public: XmlReadMode ReadXml(Stream* stream, XmlReadMode mode);
[VB] Public Function ReadXml(ByVal stream As Stream, ByVal mode As
XmlReadMode) As XmlReadMode

[JScript] public function ReadXml(stream: Stream, mode: XmlReadMode):
XmlReadMode;

Description

Reads XML schema and data into the System.Data.DataSet using the specified System.IO.Stream and System.Data.XmlReadMode. The System.IO.Stream from which to read. One of the System.Data.XmlReadMode values.

ReadXml

[C#] public XmlReadMode ReadXml(string fileName, XmlReadMode mode);
 [C++] public: XmlReadMode ReadXml(String* fileName, XmlReadMode mode);
 [VB] Public Function ReadXml(ByVal fileName As String, ByVal mode As XmlReadMode) As XmlReadMode

[JScript] public function ReadXml(fileName : String, mode : XmlReadMode) : XmlReadMode; 2 3 Description 4 Reads XML schema and data into the System. Data. DataSet using the 5 specified file and System.Data.XmlReadMode. The file name (including the 6 path) from which to read. One of the System.Data.XmlReadMode values. 7 ReadXml 8 9 [C#] public XmlReadMode ReadXml(TextReader reader, XmlReadMode mode); 10 [C++] public: XmlReadMode ReadXml(TextReader* reader, XmlReadMode 11 mode); 12 [VB] Public Function ReadXml(ByVal reader As TextReader, ByVal mode As 13 XmlReadMode) As XmlReadMode 14 [JScript] public function ReadXml(reader : TextReader, mode : XmlReadMode) : 15 XmlReadMode; 16 17 Description 18 Reads XML schema and data into the System.Data.DataSet using the 19 specified System.IO.TextReader and System.Data.XmlReadMode. The 20 System.IO.TextReader from which to read. One of the 21 System.Data.XmlReadMode values. 22 ReadXml 23 24

[C#] public XmlReadMode ReadXml(XmlReader reader, XmlReadMode mode);

[C++] public: XmlReadMode ReadXml(XmlReader* reader, XmlReadMode	
mode);	
[VB] Public Function ReadXml(ByVal reader As XmlReader, ByVal mode As	
XmlReadMode) As XmlReadMode	
$[JScript]\ public\ function\ ReadXml (reader: XmlReader, mode: XmlReadMode):$	
XmlReadMode; Writes the current schema and data for the System.Data.DataSe	
to an XML document using the specified System.Data.XmlReadMode.	

Description

Writes schema and data for the DataSet. The System.IO.TextReader from which to read. One of the System.Data.XmlReadMode values.

ReadXmlSchema

[C#] public void ReadXmlSchema(Stream stream);

[C++] public: void ReadXmlSchema(Stream* stream);

[VB] Public Sub ReadXmlSchema(ByVal stream As Stream)

[JScript] public function ReadXmlSchema(stream : Stream);

Description

Reads the XML schema from the specified System.IO.Stream into the System.Data.DataSet.

Use the

System.Data.DataSet.ReadXmlSchema(System.Xml.XmlReader) method to create the schema for a System.Data.DataSet. The schema includes table, relation, and constraint definitions. To write a schema to an XML document, use

25

the System.Data.DataSet.WriteXmlSchema(System.IO.Stream) method. The System.IO.Stream from which to read. 2 ReadXmlSchema 3 [C#] public void ReadXmlSchema(string fileName); 5 [C++] public: void ReadXmlSchema(String* fileName); 6 [VB] Public Sub ReadXmlSchema(ByVal fileName As String) 7 [JScript] public function ReadXmlSchema(fileName : String); 8 9 Description 10 Reads the XML schema from the specified file into the 11 System.Data.DataSet . 12 Use the 13 System.Data.DataSet.ReadXmlSchema(System.Xml.XmlReader) method to 14 create the schema for a System.Data.DataSet. The schema includes table, 15 relation, and constraint definitions. To write a schema to an XML document, use 16 the System.Data.DataSet.WriteXmlSchema(System.IO.Stream) method. The 17 file name (including the path) from which to read. 18 ReadXmlSchema 19 20 [C#] public void ReadXmlSchema(TextReader reader); 21 [C++] public: void ReadXmlSchema(TextReader* reader); 22 [VB] Public Sub ReadXmlSchema(ByVal reader As TextReader) 23

[JScript] public function ReadXmlSchema(reader: TextReader);

Description

Reads the XML schema from the specified System.IO.TextReader into the System.Data.DataSet .

Use the

System.Data.DataSet.ReadXmlSchema(System.Xml.XmlReader) method to create the schema for a System.Data.DataSet. The schema includes table, relation, and constraint definitions. To write a schema to an XML document, use the System.Data.DataSet.WriteXmlSchema(System.IO.Stream) method. The System.IO.TextReader from which to read.

ReadXmlSchema

[C#] public void ReadXmlSchema(XmlReader reader);

[C++] public: void ReadXmlSchema(XmlReader* reader);

[VB] Public Sub ReadXmlSchema(ByVal reader As XmlReader)

[JScript] public function ReadXmlSchema(reader: XmlReader); Reads an XML schema into the System.Data.DataSet.

Description

Reads the XML schema from the specified System.Xml.XmlReader into the System.Data.DataSet .

Use the

System.Data.DataSet.ReadXmlSchema(System.Xml.XmlReader) method to create the schema for a System.Data.DataSet. The schema includes table,

1	relation, and constraint definitions. The System.Xml.XmlReader from which to
2	read.
3	ReadXmlSerializable
4	
5	[C#] protected virtual void ReadXmlSerializable(XmlReader reader);
6	[C++] protected: virtual void ReadXmlSerializable(XmlReader* reader);
7	[VB] Overridable Protected Sub ReadXmlSerializable(ByVal reader As
8	XmlReader)
9	[JScript] protected function ReadXmlSerializable(reader : XmlReader);
10	
11	Description
12	Reads XML serialization information for the implementation of
13	IXmlSerializable .
14	Return Value: An System.Xml.XmlTextReader object.
15	A user should not call
16	System.Data.DataSet.ReadXmlSerializable(System.Xml.XmlReader) directly
17	The System.Xml.XmlTextReader object.
18	RejectChanges
19	
20	[C#] public virtual void RejectChanges();
21	[C++] public: virtual void RejectChanges();
22	[VB] Overridable Public Sub RejectChanges()
23	[JScript] public function RejectChanges();
24	
25	Description

Rolls back all the changes made to the **System.Data.DataSet** since it was created, or since the last time **System.Data.DataSet.AcceptChanges** was called.

Invoke the System.Data.DataSet.RejectChanges to call the System.Data.DataTable.RejectChanges method on all System.Data.DataTable objects contained by the System.Data.DataSet . Additionally, any System.Data.Constraint rules contained by the System.Data.DataSet are enforced.

Reset

[C#] public virtual void Reset();

[C++] public: virtual void Reset();

[VB] Overridable Public Sub Reset()

[JScript] public function Reset();

Description

Resets the **System.Data.DataSet** to its original state. Subclasses should override **System.Data.DataSet.Reset** to restore a **System.Data.DataSet** to its original state.

ShouldSerializeRelations

[C#] protected virtual bool ShouldSerializeRelations();

[C++] protected: virtual bool ShouldSerializeRelations();

[VB] Overridable Protected Function ShouldSerializeRelations() As Boolean

[JScript] protected function ShouldSerializeRelations(): Boolean;

MS1-864US.APP

Description

Gets a value indicating whether **System.Data.DataSet.Relations** property should be persisted.

Return Value: true if the property value has been changed from its default; otherwise, false.

You typically use this method if you are either creating a designer for the System.Data.DataSet, or creating your own control incorporating the System.Data.DataSet.

ShouldSerializeTables

[C#] protected virtual bool ShouldSerializeTables();

[C++] protected: virtual bool ShouldSerializeTables();

[VB] Overridable Protected Function ShouldSerializeTables() As Boolean [JScript] protected function ShouldSerializeTables(): Boolean;

Description

Gets a value indicating whether **System.Data.DataSet.Tables** property should be persisted.

Return Value: true if the property value has been changed from its default; otherwise, false.

You typically use this method only if you are either creating a designer for the System.Data.DataSet, or creating your own control incorporating the System.Data.DataSet.

IListSource.GetList

1	
2	[C#] IList IListSource.GetList();
3	[C++] IList* IListSource::GetList();
4	[VB] Function GetList() As IList Implements IListSource.GetList
5	[JScript] function IListSource.GetList() : IList;
6	ISerializable.GetObjectData
7	
8	[C#] void ISerializable.GetObjectData(SerializationInfo info, StreamingContext
9	context);
10	[C++] void ISerializable::GetObjectData(SerializationInfo* info,
11	StreamingContext context);
12	[VB] Sub GetObjectData(ByVal info As SerializationInfo, ByVal context As
13	StreamingContext) Implements ISerializable.GetObjectData
14	[JScript] function ISerializable.GetObjectData(info: SerializationInfo, context:
15	StreamingContext);
16	IXmlSerializable.GetSchema
17	
18	[C#] XmlSchema IXmlSerializable.GetSchema();
19	[C++] XmlSchema* IXmlSerializable::GetSchema();
20	[VB] Function GetSchema() As XmlSchema Implements
21	IXmlSerializable.GetSchema
22	[JScript] function IXmlSerializable.GetSchema() : XmlSchema;
23	IXmlSerializable.ReadXml
24	
25	[C#] void IXmlSerializable.ReadXml(XmlReader reader);

1	[C++] void IXmlSerializable::ReadXml(XmlReader* reader);
2	[VB] Sub ReadXml(ByVal reader As XmlReader) Implements
3	IXmlSerializable.ReadXml
4	[JScript] function IXmlSerializable.ReadXml(reader : XmlReader);
5	IXmlSerializable.WriteXml
6	
7	[C#] void IXmlSerializable.WriteXml(XmlWriter writer);
8	[C++] void IXmlSerializable::WriteXml(XmlWriter* writer);
9	[VB] Sub WriteXml(ByVal writer As XmlWriter) Implements
10	IXmlSerializable.WriteXml
11	[JScript] function IXmlSerializable.WriteXml(writer : XmlWriter);
12	WriteXml
13	
14	[C#] public void WriteXml(Stream stream);
15	[C++] public: void WriteXml(Stream* stream);
16	[VB] Public Sub WriteXml(ByVal stream As Stream)
17	[JScript] public function WriteXml(stream : Stream); Writes XML schema and
18	data from the System.Data.DataSet.
19	
20	Description
21	Writes the current schema and data for the System.Data.DataSet using the
22	specified System.IO.Stream.
23	Use the System.Data.DataSet.WriteXml(System.IO.Stream) method to
	write an XML document that includes both schema and data of a

System.Data.DataSet. To read an XML document, that includes schema and

data, use the System.Data.DataSet.ReadXml(System.Xml.XmlReader) method. 1 A System.IO.Stream object used to write to a file. 2 WriteXml 3 4 [C#] public void WriteXml(string fileName); 5 [C++] public: void WriteXml(String* fileName); 6 [VB] Public Sub WriteXml(ByVal fileName As String) 7 [JScript] public function WriteXml(fileName : String); 8 9 Description 10 Writes the current schema and data for the System.Data.DataSet to the 11 specified file. The file name (including the path) to which to write. 12 WriteXml 13 14 [C#] public void WriteXml(TextWriter writer); 15 [C++] public: void WriteXml(TextWriter* writer); 16 [VB] Public Sub WriteXml(ByVal writer As TextWriter) 17 [JScript] public function WriteXml(writer: TextWriter); 18 19 Description 20 Writes the current schema and data for the System.Data.DataSet using the 21 specified System.IO.TextWriter. The System.IO.TextWriter object with which 22 to write. 23 WriteXml 24

1	
2	[C#] public void WriteXml(XmlWriter writer);
3	[C++] public: void WriteXml(XmlWriter* writer);
4	[VB] Public Sub WriteXml(ByVal writer As XmlWriter)
5	[JScript] public function WriteXml(writer : XmlWriter);
6	
7	Description
8	Writes the current schema and data for the System.Data.DataSet to the
9	specified System.Xml.XmlWriter. The System.Xml.XmlWriter with which to
10	write.
11	WriteXml
12	
13	[C#] public void WriteXml(Stream stream, XmlWriteMode mode);
14	[C++] public: void WriteXml(Stream* stream, XmlWriteMode mode);
15	[VB] Public Sub WriteXml(ByVal stream As Stream, ByVal mode As
16	XmlWriteMode)
17	[JScript] public function WriteXml(stream : Stream, mode : XmlWriteMode);
18	
19	Description
20	Writes the current schema and data for the System.Data.DataSet using the
21	specified System.IO.Stream and System.Data.XmlWriteMode . A
22	System.IO.Stream object used to write to a file. One of the
23	System.Data.XmlWriteMode values.
24	WriteXml

	1	
	2	[C#] public void WriteXml(string fileName, XmlWriteMode mode);
	3	[C++] public: void WriteXml(String* fileName, XmlWriteMode mode);
	4	[VB] Public Sub WriteXml(ByVal fileName As String, ByVal mode As
	5	XmlWriteMode)
	6	[JScript] public function WriteXml(fileName : String, mode : XmlWriteMode);
	7	
	8	Description
<u> </u>	9	Writes the current schema and data for the System.Data.DataSet to the
	10	specified file using the specified System.Data.XmlWriteMode.
	11	Use the System.Data.DataSet.WriteXml(System.IO.Stream) method to
n	12	write an XML document that includes both schema and data of a
	13	System.Data.DataSet. To read an XML document, that includes schema and
	14	data, use the System.Data.DataSet.ReadXml(System.Xml.XmlReader) method.
	15	The file name (including the path) to which to write. One of the
	16	System.Data.XmlWriteMode values.
	17	WriteXml
	18	
	19	[C#] public void WriteXml(TextWriter writer, XmlWriteMode mode);
	20	[C++] public: void WriteXml(TextWriter* writer, XmlWriteMode mode);
	21	[VB] Public Sub WriteXml(ByVal writer As TextWriter, ByVal mode As
	22	XmlWriteMode)
	23	[JScript] public function WriteXml(writer: TextWriter, mode: XmlWriteMode);
	24	
	25	Description

Writes the current schema and data for the System.Data.DataSet using the specified System.IO.TextWriter and System.Data.XmlWriteMode.

Use the System.Data.DataSet.WriteXml(System.IO.Stream) method to write an XML document that includes both schema and data of a System.Data.DataSet. To read an XML document, that includes schema and data, use the System.Data.DataSet.ReadXml(System.Xml.XmlReader) method. A System.IO.TextWriter object used to write the document. One of the System.Data.XmlWriteMode values.

WriteXml

[C#] public void WriteXml(XmlWriter writer, XmlWriteMode mode);
[C++] public: void WriteXml(XmlWriter* writer, XmlWriteMode mode);
[VB] Public Sub WriteXml(ByVal writer As XmlWriter, ByVal mode As XmlWriteMode)

[JScript] public function WriteXml(writer: XmlWriter, mode: XmlWriteMode);

Description

Writes the current schema and data for the **System.Data.DataSet** using the specified **System.Xml.XmlWriter** and **System.Data.XmlWriteMode**.

Use the System.Data.DataSet.WriteXml(System.IO.Stream) method to write an XML document that includes both schema and data of a System.Data.DataSet. To read an XML document, that includes schema and data, use the System.Data.DataSet.ReadXml(System.Xml.XmlReader) method. The System.Xml.XmlWriter with which to write. One of the System.Data.XmlWriteMode values.

WriteXmlSchema

2

1

4

3

5

6 7

8

9

10

11

12

13 14

15

16

17

18

19

20 21

22

23

25

[C#] public void WriteXmlSchema(Stream stream);

[C++] public: void WriteXmlSchema(Stream* stream);

[VB] Public Sub WriteXmlSchema(ByVal stream As Stream)

[JScript] public function WriteXmlSchema(stream : Stream); Writes the

System.Data.DataSet structure as an XML schema.

Description

Writes the **System.Data.DataSet** structure as an XML schema to using the specified **System.IO.Stream** object.

Use the System.Data.DataSet.WriteXmlSchema(System.IO.Stream) method to write the schema for a System.Data.DataSet to an XML document. The schema includes table, relation, and constraint definitions. To write a schema to an XML document, use the

System.IO.Stream object used to write to a file.

WriteXmlSchema

[C#] public void WriteXmlSchema(string fileName);

[C++] public: void WriteXmlSchema(String* fileName);

[VB] Public Sub WriteXmlSchema(ByVal fileName As String)

[JScript] public function WriteXmlSchema(fileName : String);

Description

Writes the System.Data.DataSet structure as an XML schema to a file.

Use the System.Data.DataSet.WriteXmlSchema(System.IO.Stream)
method to write the schema for a System.Data.DataSet to an XML document.
The schema includes table, relation, and constraint definitions. To write a schema to an XML document, use the

System.Data.DataSet.WriteXmlSchema(System.IO.Stream) method. The file name (including the path) to which to write.

WriteXmlSchema

[C#] public void WriteXmlSchema(TextWriter writer);

[C++] public: void WriteXmlSchema(TextWriter* writer);

[VB] Public Sub WriteXmlSchema(ByVal writer As TextWriter)

[JScript] public function WriteXmlSchema(writer: TextWriter);

Description

Writes the **System.Data.DataSet** structure as an XML schema to a **System.IO.TextWriter** object.

Use the System.Data.DataSet.WriteXmlSchema(System.IO.Stream)
method to write the schema for a System.Data.DataSet to an XML document.

The schema includes table, relation, and constraint definitions. To write a schema to an XML document, use the

System.Data.DataSet.WriteXmlSchema(System.IO.Stream) method. The System.IO.TextWriter object with which to write.

WriteXmlSchema

1	
2	[C#] public void WriteXmlSchema(XmlWriter writer);
3	[C++] public: void WriteXmlSchema(XmlWriter* writer);
4	[VB] Public Sub WriteXmlSchema(ByVal writer As XmlWriter)
5	[JScript] public function WriteXmlSchema(writer : XmlWriter);
6	
7	Description
8	Writes the System.Data.DataSet structure as an XML schema to an
9	System.Xml.XmlWriter object.
10	Use the System.Data.DataSet.WriteXmlSchema(System.IO.Stream)
11	method to write the schema for a System.Data.DataSet to an XML document.
12	The schema includes table, relation, and constraint definitions. To write a schema
13	to an XML document, use the
14	System.Data.DataSet.WriteXmlSchema(System.IO.Stream) method. The
15	System.Xml.XmlWriter with which to write.
16	DataSysDescriptionAttribute class (System.Data)
17	WriteXmlSchema
18	
19	
20	Description
21	DescriptionAttribute marks a property, event, or extender with a
22	description. Visual designers can display this description when referencing the
23	member.
24	DataSysDescriptionAttribute
25	Example Syntax:

WriteXmlSchema

[<i>C</i>]#1	nublic	DataCr	ysDescri	ntion A	ttribute/	etring	descrit	ntion)	ľ
$\cup \pi$	puone	Datas	yspeseri	puours	\ldots	Sumg	COOLI	puon	1

[C++] public: DataSysDescriptionAttribute(String* description);

[VB] Public Sub New(ByVal description As String)

[JScript] public function DataSysDescriptionAttribute(description: String);

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

lee⊗hayes 🗪

Constructs a new sys description. description text.

Description

WriteXmlSchema

[C#] public override string Description {get;}

[C++] public: property virtual String* get_Description();

[VB] Overrides Public ReadOnly Property Description As String

[JScript] public function get Description(): String;

Description

Retrieves the description text.

Return Value: description Retrieves the description text.

DescriptionValue

TypeId

DataTable class (System.Data)

ToString

MS1-864US.APP

ı	
2	
3	Description
4	Represents one table of in-memory data.
5	The System.Data.DataTable is a central object in the ADO.NET library.
6	Other objects that use the System.Data.DataTable include the
7	System.Data.DataSet and the System.Data.DataView .
8	ToString
9	
10	[C#] protected internal bool fInitInProgress;
11	[C++] protected public: bool fInitInProgress;
12	[VB] Internal fInitInProgress As Boolean
13	[JScript] package var fInitInProgress : Boolean;
14	
15	Description
16	
17	DataTable
18	Example Syntax:
19	ToString
20	
21	[C#] public DataTable();
22	[C++] public: DataTable();
23	[VB] Public Sub New()
24	[JScript] public function DataTable(); Initializes a new instance of the
.	System Data DataTable class

Description Initia

ì

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Initializes a new instance of the **System.Data.DataTable** class with no arguments.

The constructor sets initial values for all properties of the System.Data.DataTable object. The following table shows the properties and their default values. When an instance System.Data.DataTable is created, the following read/write properties are set to initial values.

DataTable

Example Syntax:

ToString

[C#] public DataTable(string tableName);

[C++] public: DataTable(String* tableName);

[VB] Public Sub New(ByVal tableName As String)

[JScript] public function DataTable(tableName : String);

Description

Intitalizes a new instance of the **System.Data.DataTable** class with the specified table name. The name to give the table. If **null** or an empty string, a default name will be given when added to the **System.Data.DataTableCollection**.

DataTable

Example Syntax:

ToString

,	
1	ICHI uniterial DetaTella (Carialization Info info Streaming Contaut contaut)
2	[C#] protected DataTable(SerializationInfo info, StreamingContext context);
3	[C++] protected: DataTable(SerializationInfo* info, StreamingContext context);
4	[VB] Protected Sub New(ByVal info As SerializationInfo, ByVal context As
5	StreamingContext)
6	[JScript] protected function DataTable(info : SerializationInfo, context :
7	StreamingContext);
8	
9	Description
10	Initializes a new instance of the System.Data.DataTable class with the
11	System.Runtime.Serialization.SerializationInfo and the
12	System.Runtime.Serialization.StreamingContext.
13	This implemenation of the System.Data.DataTable constructor is required
14	for System.Runtime.Serialization.ISerializable. The data needed to serialize or
15	deserialize an object. The source and destination of a given serialized stream.
16	CaseSensitive
17	ToString
18	
19	[C#] public bool CaseSensitive {get; set;}
20	[C++] public:property bool get_CaseSensitive();public:property void
21	set_CaseSensitive(bool);
22	[VB] Public Property CaseSensitive As Boolean
23	[JScript] public function get CaseSensitive(): Boolean;public function set
24	CaseSensitive(Boolean);

Description

Indicates whether string comparisons within the table are case-sensitive.

The **System.Data.DataTable.CaseSensitive** property affects string comparisons in sorting, searching, and filtering.

ChildRelations

ToString

[C#] public DataRelationCollection ChildRelations {get;}

[C++] public: __property DataRelationCollection* get ChildRelations();

[VB] Public ReadOnly Property ChildRelations As DataRelationCollection

[JScript] public function get ChildRelations(): DataRelationCollection;

Description

Gets the collection of child relations for this System.Data.DataTable .

A System.Data.DataRelation defines the relationship between two tables. Typically, two tables are linked through a single field that contains the same data. For example, a table which contains address data may have a single field containing codes that represent countries/regions. A second table that contains country/region data will have a single field that contains the code that identifies the country/region, and it is this code which is inserted into the corresponding field in the first table. A System.Data.DataRelation, then, contains at least four pieces of information: (1) the name of the first table, (2) the column name in the first table, (3) the name of the second table, and (4) the column name in the second table.

٠Ō
ıŌ
IJ
M
IT
5:
٠ <u>٠</u>
i
l_i

1	Columns
2	ToString
3	
4	[C#] public DataColumnCollection Columns {get;}
5	[C++] public:property DataColumnCollection* get_Columns();
6	[VB] Public ReadOnly Property Columns As DataColumnCollection
7	[JScript] public function get Columns(): DataColumnCollection;
.8	
9	Description
10	Gets the collection of columns that belong to this table.
11	The System.Data.DataColumnCollection determines the schema of a
12	table by defining the data type of each column.
13	Constraints
14	ToString
15	
16	[C#] public ConstraintCollection Constraints {get;}
17	[C++] public:property ConstraintCollection* get_Constraints();
18	[VB] Public ReadOnly Property Constraints As ConstraintCollection
19	[JScript] public function get Constraints() : ConstraintCollection;
20	
21	Description
22	Gets the collection of constraints maintained by this table.
23	A System.Data.ForeignKeyConstraint restricts the action performed

A System.Data.ForeignKeyConstraint restricts the action performed when a value in a column (or columns) is either deleted or updated. Such a constraint is intended to be used with primary key columns. In a parent/child

ee@hayes pac 509-324-9256 227 M51-864US.APP

relationship between two tables, deleting a value from the parent table can affect 1 the child rows in one of the following ways. 2 Container 3 DataSet **ToString** 5 7 Description 8 Gets the System.Data.DataSet that this table belongs to. If a control is data bound to a System.Data.DataTable, and the table 10 belongs to a System.Data.DataSet, you can get to the System.Data.DataSet 11 through this property. 12 **DefaultView** 13 **ToString** 14 15 [C#] public DataView DefaultView {get;} 16 [C++] public: property DataView* get DefaultView(); 17 [VB] Public ReadOnly Property DefaultView As DataView 18 [JScript] public function get DefaultView() : DataView; 19 20 Description 21 Gets a customized view of the table which may include a filtered view, or a 22 cursor position. 23

24

The System.Data.DataTable.DefaultView property returns a System.Data.DataView you can use to sort, filter, and search a 2 System.Data.DataTable. 3 DesignMode DisplayExpression 5 **ToString** 6 7 8 Description 9 Gets or sets the expression that will return a value used to represent this 10 table in the user interface. 11 For rules on forming the expression string, see the 12 System.Data.DataColumn.Expression property. 13 **Events** 14 ExtendedProperties 15 **ToString** 16 17 18 Description 19 Gets the collection of customized user information. 20 Use the System.Data.DataTable.ExtendedProperties to add custom 21 $information \ to \ a \ \textbf{System.Data.DataTable} \ . \ Add \ information \ with \ the \ Add \ method.$ 22 Retrieve information with the Item method. 23 HasErrors 24

25

ToString

1	
2	[C#] public bool HasErrors {get;}
3	[C++] public:property bool get_HasErrors();
4	[VB] Public ReadOnly Property HasErrors As Boolean
5	[JScript] public function get HasErrors(): Boolean;
6	
7	Description
8	Gets a value indicating whether there are errors in any of the rows in any of
9	the tables of the System.Data.DataSet to which the table belongs.
10	As users work on a set of data contained in a System.Data.DataSet, you
11	can mark each change with an error if the change causes some validation failure.
12	You can mark an entire System.Data.DataRow with an error message using the
13	System.Data.DataRow.RowError property. You can also set errors on each
14	column of the row with the
15	System.Data.DataRow.SetColumnError(System.Int32,System.String) method.
16	Locale
17	ToString
18	
19	[C#] public CultureInfo Locale {get; set;}
20	[C++] public:property CultureInfo* get_Locale();public:property void
21	set_Locale(CultureInfo*);
22	[VB] Public Property Locale As CultureInfo
23	[JScript] public function get Locale(): CultureInfo; public function set
24	Locale(CultureInfo);
25	

1	
2	Description
3	Gets or sets the locale information used to compare strings within the table.
4	A System.Globalization.CultureInfo represents the software preferences
5	of a particular culture or community.
6	MinimumCapacity
7	ToString
8	
9	[C#] public int MinimumCapacity {get; set;}
10	[C++] public:property int get_MinimumCapacity();public:property void
11	set_MinimumCapacity(int);
12	[VB] Public Property MinimumCapacity As Integer
13	[JScript] public function get MinimumCapacity(): int;public function set
14	MinimumCapacity(int);
15	
16	Description
17	Gets or sets the initial starting size for this table.
18	The System.Data.DataTable.MinimumCapacity allows the system to
19	create an appropriate set of resources before fetching data. In a situation when
20	performance is critical, setting this property can optimize performance.
21	Namespace
22	ToString
23	
24	[C#] public string Namespace {get; set;}
25	[C++] public:property String* get_Namespace();public:property void

```
set Namespace(String*);
 1
    [VB] Public Property Namespace As String
2
    [JScript] public function get Namespace(): String; public function set
 3
    Namespace(String);
 4
 5
    Description
 6
           Gets or sets the namespace for the XML representaion of the data stored in
 7
    the System.Data.DataTable.
 8
           ParentRelations
9)
           ToString
10
11
    [C#] public DataRelationCollection ParentRelations {get;}
12
    [C++] public: __property DataRelationCollection* get_ParentRelations();
13
    [VB] Public ReadOnly Property ParentRelations As DataRelationCollection
14
    [JScript] public function get ParentRelations(): DataRelationCollection;
15
16
    Description
17
           Gets the collection of parent relations for this System.Data.DataTable.
18
           Prefix
19
           ToString
20
21
    [C#] public string Prefix {get; set;}
22
    [C++] public: property String* get Prefix();public: property void
23
    set_Prefix(String*);
24
    [VB] Public Property Prefix As String
```

[JScript] public function get Prefix(): String; public function set Prefix(String);

Description

Gets or sets the namespace for the XML representaion of the data stored in the System.Data.DataTable .

PrimaryKey

ToString

[C#] public DataColumn[] PrimaryKey {get; set;}

[C++] public: __property DataColumn* get_PrimaryKey();public: __property void set_PrimaryKey(DataColumn*[]);

[VB] Public Property PrimaryKey As DataColumn ()

[JScript] public function get PrimaryKey() : DataColumn[];public function set PrimaryKey(DataColumn[]);

Description

Gets or sets an array of columns that function as primary keys for the data table.

The primary key of a table must be unique to identify the record in the table. It's also possible to have a table with a primary key made up of two or more columns. This occurs when a single column can't contain enough unique values. For example, a two column primary key might consist of a "FirstName" and "LastName" column. Because primary keys can be made up of more than one column, the System.Data.DataTable.PrimaryKey property consists of an array of System.Data.DataColumn objects.

233 MS1-864US.APP

1	Rows
2	ToString
3	
4	[C#] public DataRowCollection Rows {get;}
5	[C++] public:property DataRowCollection* get_Rows();
6	[VB] Public ReadOnly Property Rows As DataRowCollection
7	[JScript] public function get Rows() : DataRowCollection;
8	
9	Description
10	Gets the collection of rows that belong to this table.
11	To create a new System.Data.DataRow, you must use the
12	System.Data.DataTable.NewRow method to return a new object. Such an object
13	is automatically configured with according to the schema defined for the
14	System.Data.DataTable through its collection of System.Data.DataColumn
15	objects. After creating a new row and setting the values for each column in the
16	row, add the row to the DataRowCollection using the Add method.
17	Site
18	ToString
19	
20	[C#] public override ISite Site {get; set;}
21	[C++] public:property virtual ISite* get_Site();public:property virtual void
22	set_Site(ISite*);
23	[VB] Overrides Public Property Site As ISite
24	[JScript] public function get Site(): ISite; public function set Site(ISite);
25	

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

	1
Descriptio	2
Get	3
System.D	4
Site	5

Gets or sets an **System.ComponentModel.ISite** for the **System.Data.DataTable**.

Sites bind a System.ComponentModel.Component to a

System.ComponentModel.Container and enable communication between them, as well as provide a way for the container to manage its components.

TableName

ToString

[C#] public string TableName {get; set;}
[C++] public: __property String* get_TableName();public: __property void
set_TableName(String*);
[VB] Public Property TableName As String
[JScript] public function get TableName() : String;public function set
TableName(String);

Description

Gets or sets the name of the the System.Data.DataTable .

The System.Data.DataTable.TableName is used to return this table from the parent System.Data.DataSet object's System.Data.DataTableCollection (returned by the System.Data.DataSet.Tables property).

ToString

ll

[C#] public event DataColumnChangeEventHandler ColumnChanged;

1	[C++] public:event DataColumnChangeEventHandler* ColumnChanged;
2	[VB] Public Event ColumnChanged As DataColumnChangeEventHandler
3	
4	Description
5	Occurs when after a value has been changed for the specified
6	System.Data.DataColumn in a System.Data.DataRow.
7	ToString
8	
9	[C#] public event DataColumnChangeEventHandler ColumnChanging;
10	[C++] public:event DataColumnChangeEventHandler* ColumnChanging;
11	[VB] Public Event ColumnChanging As DataColumnChangeEventHandler
12	
13	Description
14	Occurs when a value is being changed for the specified
15	System.Data.DataColumn in a System.Data.DataRow.
16	ToString
17	
18	
19	Description
20	Occurs after a System.Data.DataRow has been changed successfully.
21	ToString
22	
23	[C#] public event DataRowChangeEventHandler RowChanging;
24	[C++] public:event DataRowChangeEventHandler* RowChanging;
25	[VB] Public Event RowChanging As DataRowChangeEventHandler

1	
2	Description
3	Occurs when a System.Data.DataRow is changing.
4	ToString
5	
6	[C#] public event DataRowChangeEventHandler RowDeleted;
7	[C++] public:event DataRowChangeEventHandler* RowDeleted;
8	[VB] Public Event RowDeleted As DataRowChangeEventHandler
9	
10	Description
11	Occurs after a row in the table has been deleted.
12	ToString
13	
14	[C#] public event DataRowChangeEventHandler RowDeleting;
15	[C++] public:event DataRowChangeEventHandler* RowDeleting;
16	[VB] Public Event RowDeleting As DataRowChangeEventHandler
17	
18	Description
19	Occurs before a row in the table is about to be deleted.
20	AcceptChanges
21	
22	[C#] public void AcceptChanges();
23	[C++] public: void AcceptChanges();
24	[VB] Public Sub AcceptChanges()
25	[JScript] public function AcceptChanges();

Description

Commits all the changes made to this table since the last time System.Data.DataTable.AcceptChanges was called.

When System.Data.DataTable.AcceptChanges is called, any
System.Data.DataRow object still in edit mode successfully ends its edits. The
System.Data.DataRowState also changes: all Added and Modified rows become
Unchanged; Deleted rows are removed.

BeginInit

[C#] public void BeginInit();

[C++] public: __sealed void BeginInit();

[VB] NotOverridable Public Sub BeginInit()

[JScript] public function BeginInit();

Description

Begins the initialization of a **System.Data.DataTable** that is used on a form or used by another component. The initialization occurs at runtime.

The Visual Studio.NET design environment uses this method to start the initialization of a component that is used on a form or used by another component. The System.Data.DataTable.EndInit method ends the initialization. Using the BeginInit and EndInit methods prevents the control from being used before it is fully initialized.

BeginLoadData

[C#] public void BeginLoadData(); 2 [C++] public: void BeginLoadData(); 3 [VB] Public Sub BeginLoadData() [JScript] public function BeginLoadData(); 5 6 Description 7 Turns off notifications, index maintenance, and constraints while loading 8 data. 9 Use System.Data.DataTable.BeginLoadData in conjunction with 10 $System. Data. Data Table. Load Data Row (System. Object [], System. Boolean) \ and \ and$ 11 System.Data.DataTable.EndLoadData . 12 Clear 13 14 [C#] public void Clear(); 15 [C++] public: void Clear(); 16 [VB] Public Sub Clear() 17 [JScript] public function Clear(); 18 19 Description 20 Clears the System.Data.DataTable of all data. 21 All rows in all tables are removed. An exception is generated if the table 22 has any enforced child relations that would cause child rows to be stranded. 23 Clone 24

1	
2	[C#] public DataTable Clone();
3	[C++] public: DataTable* Clone();
4	[VB] Public Function Clone() As DataTable
5	[JScript] public function Clone(): DataTable;
6	
7	Description
8	Clones the structure of the System.Data.DataTable, including all
9	System.Data.DataTable schemas, relations, and constraints.
10	Return Value: A new System.Data.DataTable with the same schema as the
11	current System.Data.DataTable.
12	If these classes have been subclassed, the clone will also be of the same
13	subclasses.
14	Compute
15	
16	[C#] public object Compute(string expression, string filter);
17	[C++] public: Object* Compute(String* expression, String* filter);
18	[VB] Public Function Compute(ByVal expression As String, ByVal filter As
19	String) As Object
20	[JScript] public function Compute(expression : String, filter : String) : Object;
21	,
22	Description
23	Computes the given expression on the current rows that pass the filter
24	criteria.

Return Value: An System.Object, set to the result of the computation.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Description

The expression parameter requires an aggregate function. For example, the following is a legal expression: Count(Quantity) But this expression is not: Sum (Quantity * UnitPrice) If you must perform an operation on two or more columns, you should create a System.Data.DataColumn, set its System.Data.DataColumn.Expression property to an appropriate expression, and use an aggregate expression on the resulting column. In that case, given a System.Data.DataColumn with the name "total," and the System.Data.DataColumn.Expression property set to: "Quantity * UnitPrice" The expression argument for the System.Data.DataTable.Compute(System.String,System.String) method would then be: Sum(total) The second parameter filter determines which rows are used in the expression. For example, if the table contains a date column named "colDate", you could limit the rows with the following expression: colDate > 1/1/99 AND colDate < 17/1/99 For rules on creating expressions for both parameters, see the System.Data.DataColumn.Expression property of the System.Data.DataColumn class. The expression to compute. The filter to limit the rows that evaluate in the expression. Copy [C#] public DataTable Copy(); [C++] public: DataTable* Copy(); [VB] Public Function Copy() As DataTable [JScript] public function Copy() : DataTable;

Copies both the structure and data for this System. Data. Data Table. 1 Return Value: A new System. Data. Data Table with the same structure (table 2 schemas, relations, and constraints) and data as this System.Data.DataTable. 3 **EndInit** 5 [C#] public void EndInit(); 6 [C++] public: sealed void EndInit(); 7 [VB] NotOverridable Public Sub EndInit() 8 [JScript] public function EndInit(); 9 10 Description 11 Ends the initialization of a System.Data.DataTable that is used on a form 12 or used by another component. The initialization occurs at runtime. 13 The Visual Studio.NET design environment uses this method to end the 14 initialization of a component that is used on a form or used by another component. 15 The System.Data.DataTable.BeginInit method starts the initialization. Using the 16 BeginInit and EndInit methods prevents the control from being used before it is 17 fully initialized. 18 EndLoadData 19 20 [C#] public void EndLoadData(); 21 [C++] public: void EndLoadData(); 22 [VB] Public Sub EndLoadData() 23

24

25

[JScript] public function EndLoadData();

Description

Turns off notifications, index maintenance, and constraints while loading data.

Use System.Data.DataTable.EndLoadData in conjunction with System.Data.DataTable.LoadDataRow(System.Object[],System.Boolean) and System.Data.DataTable.BeginLoadData.

GetChanges

[C#] public DataTable GetChanges();

[C++] public: DataTable* GetChanges();

[VB] Public Function GetChanges() As DataTable

[JScript] public function GetChanges(): DataTable; Gets a copy of the System.Data.DataTable containing all changes made to it since it was last loaded, or since System.Data.DataTable.AcceptChanges was called.

Description

Gets a copy of the **System.Data.DataTable** that contains all changes made to it since it was loaded or **System.Data.DataTable.AcceptChanges** was last called.

Return Value: A copy of the changes from this System.Data.DataTable that can have actions performed on it and subsequently be merged back in using System.Data.DataSet.Merge(System.Data.DataSet), or null if none are found.

Gets a copy of the **System.Data.DataTable** that contains all changes made to it since it was loaded or **System.Data.DataTable.AcceptChanges** was last

called. This copy is particularly designed so that it can be merged back in to this original **System.Data.DataTable**. Relationship constraints may cause Unchanged parent rows to be included. If no rows of these rowStates are found, this method returns **null**.

GetChanges

[C#] public DataTable GetChanges(DataRowState rowStates);

[C++] public: DataTable* GetChanges(DataRowState rowStates);

[VB] Public Function GetChanges(ByVal rowStates As DataRowState) As DataTable

[JScript] public function GetChanges(rowStates : DataRowState) : DataTable;

Description

Gets a copy of the **System.Data.DataTable** containing all changes made to it since it was last loaded, or since **System.Data.DataTable.AcceptChanges** was called, filtered by **System.Data.DataRowState**.

actions performed on it, and subsequently be merged back in using

System.Data.DataSet.Merge(System.Data.DataSet). If no rows of the desired

System.Data.DataRowState are found, the method returns null.

Return Value: A filtered copy of the System.Data.DataTable that can have

The **System.Data.DataTable.GetChanges** method is used to produce a second **System.Data.DataTable** object which contains only the changes introduced into the original. Use the *rowStates* argument to specify the type of changes the new object should include. One of the **System.Data.DataRowState** values.

١Ū
Ū
IJ
ĮŢ
n
£:
, <u></u>
[-

1	GetErrors
2	
3	[C#] public DataRow[] GetErrors();
4	[C++] public: DataRow* GetErrors() [];
5	[VB] Public Function GetErrors() As DataRow()
6	[JScript] public function GetErrors() : DataRow[];
7	
8	Description
9	Gets an array of System.Data.DataRow objects that contain errors.
10	Return Value: An array of System.Data.DataRow objects that have errors.
11	Invoke System.Data.DataTable.GetErrors after invoking the
12	System.Data.DataSet class's System.Data.DataSet.GetChanges method. Also,
13	be sure you don't invoke the System.Data.DataTable.AcceptChanges on the
14	System.Data.DataTable until after all errors have been successfully resolved, and
15	the System.Data.DataSet re-submitted for updating.
16	GetRowType
17	
18	[C#] protected virtual Type GetRowType();
19	[C++] protected: virtual Type* GetRowType();
20	[VB] Overridable Protected Function GetRowType() As Type
21	[JScript] protected function GetRowType(): Type;
22	
23	Description
24	Gets the row type.
25	Return Value: The System. Type of the row.

and

7	-	-
÷	Ĩ	-
÷	Ē	-
į	=	j
14/14		-
14111	Ĩ	7
	7	1
į	=	1
ī		
į	=	1
÷	-	i
:	=	<u>.</u>
1	=	3
į	=	7
	=	=

1	ImportRow
2	
3	[C#] public void ImportRow(DataRow row);
4	[C++] public: void ImportRow(DataRow* row);
5	[VB] Public Sub ImportRow(ByVal row As DataRow)
6	[JScript] public function ImportRow(row : DataRow);
7	
8	Description
9	Copies a System.Data.DataRow, including original and current values,
10	System.Data.DataRowState values, and errors, into a System.Data.DataTable.
11	A System.Data.DataRow, including original and current values,
12	System.Data.DataRowState values, and errors.
13	LoadDataRow
14	
15	[C#] public DataRow LoadDataRow(object[] values, bool fAcceptChanges);
16	[C++] public: DataRow* LoadDataRow(Object* valuesgc[], bool
17	fAcceptChanges);
18	[VB] Public Function LoadDataRow(ByVal values() As Object, ByVal
19	fAcceptChanges As Boolean) As DataRow
20	[JScript] public function LoadDataRow(values : Object[], fAcceptChanges :
21	Boolean): DataRow;
22	
23	Description
24	
25	

Finds and updates a specific row. If no matching row is found, a new row is created using the given values.

Return Value: The new System.Data.DataRow.

The

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.DataTable.LoadDataRow(System.Object[],System.Boolean)

method takes an array of values and finds the matching value(s) in the primary key column(s). An array of values used to create the new row. **true** to accept changes; otherwise, **false**.

NewRow

[C#] public DataRow NewRow();

[C++] public: DataRow* NewRow();

[VB] Public Function NewRow() As DataRow

[JScript] public function NewRow(): DataRow;

Description

Creates a new System.Data.DataRow with the same schema as the table.

Return Value: A System.Data.DataRow with the same schema as the

System.Data.DataTable.

You must use the System.Data.DataTable.NewRow method to create new System.Data.DataRow objects with the same schema as the System.Data.DataTable. After creating a System.Data.DataRow, you can add it to the System.Data.DataRowCollection, through the System.Data.DataTable object's System.Data.DataTable.Rows property.

NewRowArray

1	
2	[C#] protected internal DataRow[] NewRowArray(int size);
3	[C++] protected public: DataRow* NewRowArray(int size) [];
4	[VB] Protected Friend Dim Function NewRowArray(ByVal size As Integer) As
5	DataRow()
6	[JScript] package function NewRowArray(size : int) : DataRow[];
7	
8	Description
9	
10	NewRowFromBuilder
11	
12	[C#] protected virtual DataRow NewRowFromBuilder(DataRowBuilder builder);
13	[C++] protected: virtual DataRow* NewRowFromBuilder(DataRowBuilder*
14	builder);
15	[VB] Overridable Protected Function NewRowFromBuilder(ByVal builder As
16	DataRowBuilder) As DataRow
17	[JScript] protected function NewRowFromBuilder(builder : DataRowBuilder) :
18	DataRow;
19	
20	Description
21	This is what a subclassed dataSet overrides to create a new row.
22	OnColumnChanged
23	
24	[C#] protected virtual void OnColumnChanged(DataColumnChangeEventArgs e);
25	[C++] protected: virtual void OnColumnChanged(DataColumnChangeEventArgs*

e); [VB] Overridable Protected Sub OnColumnChanged(ByVal e As DataColumnChangeEventArgs) [JScript] protected function OnColumnChanged(e: DataColumnChangeEventArgs); Description Raises the System.Data.DataTable.ColumnChanged event. Raising an event invokes the event handler through a delegate. For an overview, see . A System.Data.DataColumnChangeEventArgs that contains the event data. OnColumnChanging
DataColumnChangeEventArgs) [JScript] protected function OnColumnChanged(e: DataColumnChangeEventArgs); Description Raises the System.Data.DataTable.ColumnChanged event. Raising an event invokes the event handler through a delegate. For an overview, see . A System.Data.DataColumnChangeEventArgs that contains the event data.
[JScript] protected function OnColumnChanged(e: DataColumnChangeEventArgs); Description Raises the System.Data.DataTable.ColumnChanged event. Raising an event invokes the event handler through a delegate. For an overview, see . A System.Data.DataColumnChangeEventArgs that contains the event data.
DataColumnChangeEventArgs); Description Raises the System.Data.DataTable.ColumnChanged event. Raising an event invokes the event handler through a delegate. For an overview, see . A System.Data.DataColumnChangeEventArgs that contains the event data.
Description Raises the System.Data.DataTable.ColumnChanged event. Raising an event invokes the event handler through a delegate. For an overview, see . A System.Data.DataColumnChangeEventArgs that contains the event data.
Raises the System.Data.DataTable.ColumnChanged event. Raising an event invokes the event handler through a delegate. For an overview, see . A System.Data.DataColumnChangeEventArgs that contains the event data.
Raises the System.Data.DataTable.ColumnChanged event. Raising an event invokes the event handler through a delegate. For an overview, see . A System.Data.DataColumnChangeEventArgs that contains the event data.
Raising an event invokes the event handler through a delegate. For an overview, see . A System.Data.DataColumnChangeEventArgs that contains the event data.
overview, see . A System.Data.DataColumnChangeEventArgs that contains the event data.
event data.
OnColumnChanging
[C#] protected virtual void OnColumnChanging(DataColumnChangeEventArgs
e);
[C++] protected: virtual void
OnColumnChanging(DataColumnChangeEventArgs* e);
[VB] Overridable Protected Sub OnColumnChanging(ByVal e As
DataColumnChangeEventArgs)
[JScript] protected function OnColumnChanging(e:
DataColumnChangeEventArgs);
Description
Raises the System.Data.DataTable.ColumnChanging event.

23

24

25

Raising an event invokes the event handler through a delegate. For an overview, see . A System.Data.DataColumnChangeEventArgs that contains the

OnPropertyChanging

[C#] protected internal virtual void

OnPropertyChanging(PropertyChangedEventArgs pcevent);

[C++] protected public: virtual void

OnPropertyChanging(PropertyChangedEventArgs* pcevent);

[VB] Overridable Protected Friend Dim Sub OnPropertyChanging(ByVal pcevent

As PropertyChangedEventArgs)

[JScript] package function OnPropertyChanging(pcevent:

PropertyChangedEventArgs);

System.Data.DataTable.OnPropertyChanging(System.ComponentModel.Pro pertyChangedEventArgs) event.

Raising an event invokes the event handler through a delegate. For an overview, see . A System.ComponentModel.PropertyChangedEventArgs that

OnRemoveColumn

[C#] protected internal virtual void OnRemoveColumn(DataColumn column);

[C++] protected public: virtual void OnRemoveColumn(DataColumn* column);

1	[VB] Overridable Protected Friend Dim Sub OnRemoveColumn(ByVal column
2	As DataColumn)
3	[JScript] package function OnRemoveColumn(column : DataColumn);
4	
5	Description
6	Notifies the System.Data.DataTable that a System.Data.DataColumn is
7	being removed.
8	Raising an event invokes the event handler through a delegate. For more
9	information, see . The System.Data.DataColumn being removed.
10	OnRowChanged
11	
12	[C#] protected virtual void OnRowChanged(DataRowChangeEventArgs e);
13	[C++] protected: virtual void OnRowChanged(DataRowChangeEventArgs* e);
14	[VB] Overridable Protected Sub OnRowChanged(ByVal e As
15	DataRowChangeEventArgs)
16	[JScript] protected function OnRowChanged(e : DataRowChangeEventArgs);
17	
18	Description
19	Raises the System.Data.DataTable.RowChanged event.
20	Raising an event invokes the event handler through a delegate. For an
21	overview, see . A System.Data.DataRowChangeEventArgs that contains the
22	event data.
23	OnRowChanging
24	
25	[C#] protected virtual void OnRowChanging(DataRowChangeEventArgs e);

1	[C++] protected: virtual void OnRowChanging(DataRowChangeEventArgs* e)
2	[VB] Overridable Protected Sub OnRowChanging(ByVal e As
3	DataRowChangeEventArgs)
4	[JScript] protected function OnRowChanging(e: DataRowChangeEventArgs);
5	
6	Description
7	Raises the System.Data.DataTable.RowChanging event.
8	Raising an event invokes the event handler through a delegate. For an
9	overview, see . A System.Data.DataRowChangeEventArgs that contains the
10	event data.
11	OnRowDeleted
12	·
13	[C#] protected virtual void OnRowDeleted(DataRowChangeEventArgs e);
14	[C++] protected: virtual void OnRowDeleted(DataRowChangeEventArgs* e);
15	[VB] Overridable Protected Sub OnRowDeleted(ByVal e As
16	DataRowChangeEventArgs)
17	[JScript] protected function OnRowDeleted(e: DataRowChangeEventArgs);
18	
19	Description
20	Raises the System.Data.DataTable.RowDeleted event.
21	Raising an event invokes the event handler through a delegate. For an
22	overview, see . A System.Data.DataRowChangeEventArgs that contains the
23	event data.
24	OnRowDeleting

_	
1	
2	[C#] protected virtual void OnRowDeleting(DataRowChangeEventArgs e);
3	[C++] protected: virtual void OnRowDeleting(DataRowChangeEventArgs* e);
4	[VB] Overridable Protected Sub OnRowDeleting(ByVal e As
5	DataRowChangeEventArgs)
6	[JScript] protected function OnRowDeleting(e : DataRowChangeEventArgs);
7	
8	Description
9	Raises the
10	System. Data. Data Table. On Row Deleting (System. Data. Data Row Change Event Continuous) and the state of
11	Args) event.
12	Raising an event invokes the event handler through a delegate. For an
13	overview, see . A System.Data.DataRowChangeEventArgs that contains the
14	event data.
15	RejectChanges
16	
17	[C#] public void RejectChanges();
18	[C++] public: void RejectChanges();
19	[VB] Public Sub RejectChanges()
20	[JScript] public function RejectChanges();
21	
22	Description
23	Rolls back all changes that have been made to the table since it was loaded,
24	or the last time System.Data.DataTable.AcceptChanges was called.

22

23

24

25

When System.Data.DataTable.RejectChanges is called, any System.Data.DataRow objects that are still in edit-mode cancel their edits. New rows are removed. Rows with the System.Data.DataRowState set to Modified or **Deleted** return back to their original state. Reset [C#] public virtual void Reset(); [C++] public: virtual void Reset(); [VB] Overridable Public Sub Reset() [JScript] public function Reset(); Description Resets the **System.Data.DataTable** to its original state. Select [C#] public DataRow[] Select(); [C++] public: DataRow* Select() []; [VB] Public Function Select() As DataRow() [JScript] public function Select(): DataRow[]; Gets an array of System.Data.DataRow objects. Description Gets an array of all System.Data.DataRow objects.

Return Value: An array of System.Data.DataRow objects.

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

The method returns the current rows in order of primary key (or lacking one, order of addition.) The following example returns an array of System.Data.DataRow objects through the System.Data.DataTable.Select method.

Select

[C#] public DataRow[] Select(string filterExpression);

[C++] public: DataRow* Select(String* filterExpression) [];

[VB] Public Function Select(ByVal filterExpression As String) As DataRow()

[JScript] public function Select(filterExpression : String) : DataRow[];

Description

Gets an array of all **System.Data.DataRow** objects that match the filter criteria in order of primary key (or lacking one, order of addition.)

Return Value: An array of System.Data.DataRow objects.

To create the *filterExpression* argument, use the same rules that apply to the **System.Data.DataColumn** class's **System.Data.DataColumn.Expression** property value for creating filters. The criteria to use to filter the rows.

Select

[C#] public DataRow[] Select(string filterExpression, string sort);

[C++] public: DataRow* Select(String* filterExpression, String* sort) [];

[VB] Public Function Select(ByVal filterExpression As String, ByVal sort As

String) As DataRow()

[JScript] public function Select(filterExpression : String, sort : String) :

DataRow[]; 2 Description 3 Gets an array of all System.Data.DataRow objects that match the filter 4 criteria, in the the specified sort order. 5 Return Value: An array of System.Data.DataRow objects matching the filter 6 expression. 7 To form the *filterExpression* argument, use the same rules for creating the 8 System.Data.DataColumn class's System.Data.DataColumn.Expression 9 property value. The Sort argument also uses the same rules for creating class's 10 System.Data.DataColumn.Expression strings. The criteria to use to filter the 11 rows. A string specifying the column and sort direction. 12 Select 13 14 [C#] public DataRow[] Select(string filterExpression, string sort, 15 DataViewRowState recordStates); 16 [C++] public: DataRow* Select(String* filterExpression, String* sort, 17 DataViewRowState recordStates) []; 18 [VB] Public Function Select(ByVal filterExpression As String, ByVal sort As 19 String, ByVal recordStates As DataViewRowState) As DataRow() 20 [JScript] public function Select(filterExpression : String, sort : String, recordStates 21 : DataViewRowState) : DataRow[]; 22 23 Description 24

2

3

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets an array of all **System.Data.DataRow** objects that match the filter in the order of the sort, that match the specified state.

Return Value: An array of System.Data.DataRow objects.

To form the *filterExpression* argument, use the same rules for creating the System.Data.DataColumn class's System.Data.DataColumn.Expression property value. The *Sort* argument also uses the same rules for creating class's System.Data.DataColumn.Expression strings. The criteria to use to filter the rows. A string specifying the column and sort direction. One of the System.Data.DataViewRowState values.

IListSource.GetList

[C#] IList IListSource.GetList();

[C++] IList* IListSource::GetList();

[VB] Function GetList() As IList Implements IListSource.GetList

[JScript] function IListSource.GetList(): IList;

ISerializable.GetObjectData

[C#] void ISerializable.GetObjectData(SerializationInfo info, StreamingContext context);

[C++] void ISerializable::GetObjectData(SerializationInfo* info,

StreamingContext context);

[VB] Sub GetObjectData(ByVal info As SerializationInfo, ByVal context As

 $Streaming Context)\ Implements\ ISerializable. Get Object Data$

[JScript] function ISerializable.GetObjectData(info: SerializationInfo, context:

25 StreamingContext);

ŧΩ
ij
N
IJ
171
3)
ļ=i
 -

1	ToString
2	
3	[C#] public override string ToString();
4	[C++] public: String* ToString();
5	[VB] Overrides Public Function ToString() As String
6	[JScript] public override function ToString(): String;
7	
8	Description
9	Gets the System.Data.DataTable.TableName and
10	System.Data.DataTable.DisplayExpression, if there is one as a concatenated
11	string.
12	Return Value: A string consisting of the System.Data.DataTable.TableName
13	and the System.Data.DataTable.DisplayExpression values.
14	Gets the System.Data.DataTable.TableName and
15	System.Data.DataTable.DisplayExpression for the System.Data.DataTable.
16	DataTableCollection class (System.Data)
17	ToString
18	
19	
20	Description
21	Represents the collection of tables for the System.Data.DataSet.
22	The System.Data.DataTableCollection contains all of the
23	System.Data.DataTable objects for a System.Data.DataSet. To access the

System.Data.DataTableCollection of a System.Data.DataSet, use the System.Data.DataSet.Tables property.

1	Count
2	IsReadOnly
3	IsSynchronized
4	Item
5	ToString
6	System.Data.DataTable
7	
8	Description
9	Gets the System.Data.DataTable specified by its index.
10	The System.Data.DataTableCollection.Contains(System.String) method
11	can be used to determine if a table with a specified index exists. The zero-based
12	index of the System.Data.DataTable to find.
13	Item
14	ToString
15	
16	[C#] public DataTable this[string name] {get;}
17	[C++] public:property DataTable* get_Item(String* name);
18	[VB] Public Default ReadOnly Property Item(ByVal name As String) As
19	DataTable
20	[JScript] returnValue = DataTableCollectionObject.Item(name);
21	
22	Description
23	Gets the System.Data.DataTable in the collection with the given name
24	(not case-sensitive).



	The System.Data.DataTableCollection.Contains(System.String) method
	can be used to determine if a table with a specified name or index exists. The
	name of the table to find.
	List
	ToString
I	[C#] protected override ArrayList List {get;}
I	[C++] protected:property virtual ArrayList* get_List();
I	[VB] Overrides Protected ReadOnly Property List As ArrayList
I	[JScript] protected function get List(): ArrayList;
	Description
	Gets the tables in the collection as an object.
	SyncRoot
	ToString
	Description
	Occurs when the collection is changed.
	ToString
I	
	[C#] public event CollectionChangeEventHandler CollectionChanging;
	[C++] public:event CollectionChangeEventHandler* CollectionChanging;
۱	[VB] Public Event CollectionChanging As CollectionChangeEventHandler

1 Description 2 Occurs when the collection is changing. 3 To abort the change, the user should throw an exception in a 4 System.Data.DataColumnChangeEventHandler event handler, and then catch 5 the exception. 6 Add 7 8 [C#] public virtual DataTable Add(); 9 [C++] public: virtual DataTable* Add(); 10 [VB] Overridable Public Function Add() As DataTable 11 [JScript] public function Add(): DataTable; 12 13 Description 14 Creates a new table with a default name and adds it to the collection. 15 Return Value: The newly created System.Data.DataTable. 16 Because no name is specified, the table is created with a default name, 17 relative to its order of addition. The default name is "Table" where i = a new 1-18 based index. 19 Add20

21

22

23

24

25

[C#] public virtual void Add(DataTable table);

[C++] public: virtual void Add(DataTable* table);

[VB] Overridable Public Sub Add(ByVal table As DataTable)

[JScript] public function Add(table : DataTable); Adds a System.Data.DataTable

	•
1	to the collection.
2	
3	Description
4	Adds the specified System.Data.DataTable to the collection.
5	The
6	System. Data. Data Table Collection. On Collection Changed (System. Component Model) and the component of the contraction of
7	del.CollectionChangeEventArgs) event occurs when a table is succefully added.
8	System.Data.DataTable to add.
9	Add
10	
11	[C#] public virtual DataTable Add(string name);
12	[C++] public: virtual DataTable* Add(String* name);
13	[VB] Overridable Public Function Add(ByVal name As String) As DataTable
14	[JScript] public function Add(name : String) : DataTable;
15	
16	Description
17	Creates a table with the given name and adds it to the collection.
18	Return Value: The newly created System.Data.DataTable .
19	If either a null or an empty string ("") is passed in, a default name is given
20	to the newly created System.Data.DataTable . The name to give the created
21	System,Data,DataTable.
22	AddRange
23	
24	[C#] public void AddRange(DataTable[] tables);
25	[C++] public: void AddRange(DataTable* tables[]);

1	[VB] Public Sub AddRange(ByVal tables() As DataTable)
2	[JScript] public function AddRange(tables : DataTable[]);
3	
4	Description
5	Copies the elements of the specified System.Data.DataTable array to the
6	end of the collection. The array of System.Data.DataTable objects to add to the
7	collection.
8	CanRemove
9	
10	[C#] public bool CanRemove(DataTable table);
11	[C++] public: bool CanRemove(DataTable* table);
12	[VB] Public Function CanRemove(ByVal table As DataTable) As Boolean
13	[JScript] public function CanRemove(table : DataTable) : Boolean;
14	
15	Description
16	Verifies if the specified System.Data.DataTable can be removed from the
17	collection.
18	Return Value: true if the table can be removed; otherwise, false . A
19	System.Data.DataTable in the collection.
20	Clear
21	
22	[C#] public void Clear();
23	[C++] public: void Clear();
24	[VB] Public Sub Clear()
25	[JScript] public function Clear();

1	
2	Description
3	Clears the collection of any tables.
4	Contains
5	
6	[C#] public bool Contains(string name);
7	[C++] public: bool Contains(String* name);
8	[VB] Public Function Contains(ByVal name As String) As Boolean
9	[JScript] public function Contains(name : String) : Boolean;
10	
11	Description
12	Checks if a table, specified by name, exists in the collection.
13	Return Value: true if the specified table exists; otherwise, false.
14	The System.Data.DataTable object's name is specified by the
15	System.Data.DataTable.TableName property. If you add a
16	System.Data.DataTable to the System.Data.DataTableCollection with the
17	System.Data.DataTableCollection.Add(System.Data.DataTable) method, passing
18	no arguments, the table is given a default name such as Table1, Table2, and so on
19	The table name to check for.
20	IndexOf
21	
22	[C#] public virtual int IndexOf(DataTable table);
23	[C++] public: virtual int IndexOf(DataTable* table);
24	[VB] Overridable Public Function IndexOf(ByVal table As DataTable) As Integer
25	[JScript] public function IndexOf(table : DataTable) : int; Gets the index of a

specified table. 2 Description 3 Gets the index of a specified System. Data. Data Table. Return Value: The 0-based index of the table, or -1 if the table isn't found in the 5 collection. 6 Use the 7 System.Data.DataTableCollection.IndexOf(System.Data.DataTable) method 8 when it's necessary to know the exact index of a given table. The 9 System.Data.DataTable to search for. 10 *IndexOf* 11 12 [C#] public virtual int IndexOf(string tableName); 13 [C++] public: virtual int IndexOf(String* tableName); 14 [VB] Overridable Public Function IndexOf(ByVal tableName As String) As 15 Integer 16 [JScript] public function IndexOf(tableName : String) : int; 17 18 Description 19 Gets the index of the table with the given name (case insensitive), or -1 if 20 the table doesn't exist in the collection. 21 Return Value: The index of the table with the name, or -1 if the table doesn't exist 22 in the collection. 23 The name of a System. Data. Data Table is set with the 24 System.Data.DataTable.TableName property. The name to look for.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

OnCollectionChanged

[C#] protected virtual void OnCollectionChanged(CollectionChangeEver	ntArgs
ccevent);	

[C++] protected: virtual void

OnCollectionChanged(CollectionChangeEventArgs* ccevent);

[VB] Overridable Protected Sub OnCollectionChanged(ByVal ccevent As

CollectionChangeEventArgs)

[JScript] protected function OnCollectionChanged(ccevent:

CollectionChangeEventArgs);

Description

Raises the

System.Data.DataTableCollection.OnCollectionChanged(System.ComponentModel.CollectionChangeEventArgs) event.

Raising an event invokes the event handler through a delegate. For an overview, see . A System.ComponentModel.CollectionChangeEventArgs that contains the event data.

OnCollectionChanging

[C#] protected internal virtual void

OnCollectionChanging(CollectionChangeEventArgs ccevent);

[C++] protected public: virtual void

OnCollectionChanging(CollectionChangeEventArgs* ccevent);

[VB] Overridable Protected Friend Dim Sub OnCollectionChanging(ByVal

1	ccevent As CollectionChangeEventArgs)
2	[JScript] package function OnCollectionChanging(ccevent :
3	CollectionChangeEventArgs);
4	
5	Description
6	Raises the
7	System.Data.DataTableCollection.OnCollectionChanging(System.ComponentM
8	odel.CollectionChangeEventArgs) event.
9	Raising an event invokes the event handler through a delegate. For an
10	overview, see . A System.ComponentModel.CollectionChangeEventArgs that
11	contains the event data.
12	Remove
13	
14	[C#] public void Remove(DataTable table);
15	[C++] public: void Remove(DataTable* table);
16	[VB] Public Sub Remove(ByVal table As DataTable)
17	[JScript] public function Remove(table : DataTable); Removes a table from the
18	collection.
19	
20	Description
21	Removes the specified table from the collection.
22	The
23	System. Data. Data Table Collection. On Collection Changed (System. Component Mostly Component Mostly Collection) and the contraction of the contraction of the contraction of the contraction of the collection
24	del.CollectionChangeEventArgs) event occurs when a table is succesfully
25	removed. The System.Data.DataTable to remove.

1	Remove
2	
3	[C#] public void Remove(string name);
4	[C++] public: void Remove(String* name);
5	[VB] Public Sub Remove(ByVal name As String)
6	[JScript] public function Remove(name : String);
7	
8	Description
9	Removes the table with a specified name from the collection.
10	The
11	System.Data.DataTableCollection.OnCollectionChanged(System.ComponentMo
12	del.CollectionChangeEventArgs) event occurs when a table is successfully
13	removed. The name of the System.Data.DataTable to remove.
14	RemoveAt
15	
16	[C#] public void RemoveAt(int index);
17	[C++] public: void RemoveAt(int index);
18	[VB] Public Sub RemoveAt(ByVal index As Integer)
19	[JScript] public function RemoveAt(index : int);
20	
21	Description
22	Removes the table at the given index from the collection The collection
23	doesn't have a table at this index.

System. Data. Data Table Collection. On Collection Changed (System. Component Model Collection) and the Collection Change of Change of Change of Change of

The

1	del.CollectionChangeEventArgs) event occurs when a table is succesfully
2	removed. The index at which to remove a table.
3	DataView class (System.Data)
4	ToString
5	
6	
7	Description
8	Represents a databindable, customized view of a System.Data.DataTable
9	for sorting, filtering, searching, editing, and navigation.
10	A major function of the System.Data.DataView is to allow data binding on
11	both Windows Forms and Web Forms.
12	DataView
13	Example Syntax:
14	ToString
15	
16	[C#] public DataView();
17	[C++] public: DataView();
18	[VB] Public Sub New()
19	[JScript] public function DataView(); Initializes a new instance of the
20	System.Data.DataView class.
21	
22	Description
23	Initializes a new instance of the System.Data.DataView class.
24	DataView
25	Example Syntax:

٠Đ
ıŌ
IJ
IJ
m
ŧi
,
ļ ≟
i

21

22

23

24

25

2	
3	[C#] public DataView(DataTable table);
4	[C++] public: DataView(DataTable* table);
5	[VB] Public Sub New(ByVal table As DataTable)
6	[JScript] public function DataView(table : DataTable);
7	
8	Description
9	Initializes a new instance of the System.Data.DataView class with the
10	specified System.Data.DataTable . A System.Data.DataTable to add to the
11	System.Data.DataView.
12	DataView
13	Example Syntax:
14	ToString
15	
16	[C#] public DataView(DataTable table, string RowFilter, string Sort,
17	DataViewRowState RowState);
18	[C++] public: DataView(DataTable* table, String* RowFilter, String* Sort,
19	DataViewRowState RowState);
- 1	

ToString

[JScript] public function DataView(table: DataTable, RowFilter: String, Sort: String, RowState: DataViewRowState); Initializes a new instance of the System.Data.DataView class with the specified System.Data.DataTable.

AllowDelete

270

[VB] Public Sub New(ByVal table As DataTable, ByVal RowFilter As String,

ByVal Sort As String, ByVal RowState As DataViewRowState)

790 M. 1997

ToString 2 [C#] public bool AllowDelete {get; set;} 3 [C++] public: property bool get AllowDelete(); public: property void set AllowDelete(bool); 5 [VB] Public Property AllowDelete As Boolean 6 [JScript] public function get AllowDelete(): Boolean; public function set 7 AllowDelete(Boolean); 8 9 Description 10 Sets or gets a value indicating whether deletes are allowed. 11 AllowEdit 12 **ToString** 13 14 [C#] public bool AllowEdit {get; set;} 15 [C++] public: property bool get AllowEdit(); public: property void 16 set AllowEdit(bool); 17 [VB] Public Property AllowEdit As Boolean 18 [JScript] public function get AllowEdit(): Boolean; public function set 19 AllowEdit(Boolean); 20 21 Description 22 Gets or sets a value indicating whether edits are allowed. 23 AllowNew 24 **ToString**

Ę	
ű	
200	
Ŋ	
Į,	
M	
i:	
,-¶	•
•	

1	
2	[C#] public bool AllowNew {get; set;}
3	[C++] public:property bool get_AllowNew();public:property void
4	set_AllowNew(bool);
5	[VB] Public Property AllowNew As Boolean
6	[JScript] public function get AllowNew() : Boolean; public function set
7	AllowNew(Boolean);
8	
9	Description
10	Gets or sets a value indicating whether the new rows can be added using
11	the System.Data.DataView.AddNew method.
12	ApplyDefaultSort
13	ToString
14	
15	[C#] public bool ApplyDefaultSort {get; set;}
16	[C++] public:property bool get_ApplyDefaultSort();public:property void
17	set_ApplyDefaultSort(bool);
18	[VB] Public Property ApplyDefaultSort As Boolean
19	[JScript] public function get ApplyDefaultSort() : Boolean;public function set
20	ApplyDefaultSort(Boolean);
21	
22	Description
23	Gets or sets a value indicating whether to use the default sort.
24	Container
25	Count

1	ToString
2	,
3	
4	Description
5	Gets the number of records in the System.Data.DataView after
6	System.Data.DataView.RowFilter and System.Data.DataView.RowStateFilter
7	have been applied.
8	DataViewManager
9	ToString
10	
11	[C#] public DataViewManager DataViewManager {get;}
12	[C++] public:property DataViewManager* get_DataViewManager();
13	[VB] Public ReadOnly Property DataViewManager As DataViewManager
14	[JScript] public function get DataViewManager() : DataViewManager;
15	
16	Description
17	Gets the System.Data.DataView associated with this view.
18	DesignMode
19	Events
20	IsOpen .
21	ToString
22	
23	
24	Description
25	

Gets a value indicating whether the data source is currently open and 1 projecting views of data on the System. Data. Data Table. 2 A System.Data.DataView is a "view" on a System.Data.DataTable because 3 it provides custom sorting and filtering of the data. The 4 System.Data.DataView.IsOpen property can be queried to determine if a 5 System.Data.DataView has been opened using the System.Data.DataView.Open 6 method. 7 Item 8 **ToString** 9 10 [C#] public DataRowView this[int recordIndex] {get;} 11 [C++] public: property DataRowView* get Item(int recordIndex); 12 [VB] Public Default ReadOnly Property Item(ByVal recordIndex As Integer) As 13 14 [JScript] returnValue = DataViewObject.Item(recordIndex); 15 16 Description 17 Gets a row of data from a specified table. The index of a record in the 18 System.Data.DataTable. 19 **RowFilter** 20 **ToString** 21 22 [C#] public virtual string RowFilter {get; set;} 23 [C++] public: property virtual String* get RowFilter(); public: property 24 virtual void set_RowFilter(String*);

1	[VB] Overridable Public Property RowFilter As String
2	[JScript] public function get RowFilter() : String;public function set
3	RowFilter(String);
4	
5	Description
6	Gets or sets the expression used to filter which rows are viewed in the
7	System.Data.DataView.
8	To form a System.Data.DataView.RowFilter value, specify the name of a
9	column followed by an operator and a value to filter on. The value must be in
10	quotes. For example: "LastName = 'Smith'" See the System.Data.DataColumn
11	class's System.Data.DataColumn.Expression property for more information.
12	RowStateFilter
13	ToString
14	
15	[C#] public DataViewRowState RowStateFilter {get; set;}
16	[C++] public:property DataViewRowState get_RowStateFilter();public:
17	property void set_RowStateFilter(DataViewRowState);
18	[VB] Public Property RowStateFilter As DataViewRowState
19	[JScript] public function get RowStateFilter() : DataViewRowState;public
20	function set RowStateFilter(DataViewRowState);
21	
22	Description
23	Gets or sets the row state filter used in the System.Data.DataView.
24	Only rows that have been deleted using the
25	System.Data.DataView.Delete(System.Int32) method will have their

1	System.Data.DataView.RowStateFilter value set to Deleted. Those rows added
2	using the System.Data.DataView.AddNew method will similarly have the property
3	set to Added.
4	Site
5	Sort
6	ToString
7	
8	
9	Description
10	Gets or sets the sort column or columns, and sort order for the table.
11	See the System.Data.DataColumn.Expression property of
12	System.Data.DataColumn for more details on forming a
13	System.Data.DataView.Sort expression.
14	Table
15	ToString
16	
17	[C#] public DataTable Table {get; set;}
18	[C++] public:property DataTable* get_Table();public:property void
19	set_Table(DataTable*);
20	[VB] Public Property Table As DataTable
21	[JScript] public function get Table() : DataTable;public function set
22	Table(DataTable);
23	
24	Description
25	Gets or sets the source System.Data.DataTable .

1	The System.Data.DataTable also has a
2	System.Data.DataTable.DefaultView property which returns the default
3	System.Data.DataView for the table. For example, if you wish to create a custom
4	view on the table, set the System.Data.DataView.RowFilter on the
5	System.Data.DataView returned by the System.Data.DataTable.DefaultView.
6	ToString
7	
8	
9	Description
10	Occurs when the list managed by the System.Data.DataView changes.
11	AddNew
12	
13	[C#] public virtual DataRowView AddNew();
14	[C++] public: virtual DataRowView* AddNew();
15	[VB] Overridable Public Function AddNew() As DataRowView
16	[JScript] public function AddNew() : DataRowView;
17	
18	Description
19	Adds a new row to the System.Data.DataView .
20	Return Value: A System.Data.DataRowView .
21	BeginInit
22	
23	[C#] public void BeginInit();
24	[C++] public:sealed void BeginInit();
25	[VB] NotOverridable Public Sub BeginInit()

[JScript] public function BeginInit();

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Begins the initialization of a **System.Data.DataView** that is used on a form or used by another component. The initialization occurs at runtime.

The Visual Studio.NET design environment uses this method to start the initialization of a component that is used on a form or used by another component. The System.Data.DataView.EndInit method ends the initialization. Using the BeginInit and EndInit methods prevents the control from being used before it is fully initialized.

Close

[C#] protected void Close();

[C++] protected: void Close();

[VB] Protected Sub Close()

[JScript] protected function Close();

Description

Closes the System.Data.DataView.

The method allows you to manually close the **System.Data.DataView** in derived classes. Use the corresponding **System.Data.DataView.Open** method to open the **System.Data.DataView**.

Column Collection Changed

[C#] protected virtual void ColumnCollectionChanged(object sender,

1	CollectionChangeEventArgs e);
2	[C++] protected: virtual void ColumnCollectionChanged(Object* sender,
3	CollectionChangeEventArgs* e);
4	[VB] Overridable Protected Sub ColumnCollectionChanged(ByVal sender As
5	Object, ByVal e As CollectionChangeEventArgs)
6	[JScript] protected function ColumnCollectionChanged(sender : Object, e :
7	CollectionChangeEventArgs);
8	•
9	Description
10	Occurs after a System.Data.DataColumnCollection has been changed
11	successfully. The source of the event. A
12	System.ComponentModel.ListChangedEventArgs that contains the event data.
-13	СоруТо
14	
15	[C#] public void CopyTo(Array array, int index);
16	[C++] public:sealed void CopyTo(Array* array, int index);
17	[VB] NotOverridable Public Sub CopyTo(ByVal array As Array, ByVal index As
18	Integer)
19	[JScript] public function CopyTo(array : Array, index : int);
20	
21	Description
22	Copies items into an array. Only for Web Forms Interfaces. array to copy
23	into. index to start at.
24	Delete
25	

1	
2	[C#] public void Delete(int index);
3	[C++] public: void Delete(int index);
4	[VB] Public Sub Delete(ByVal index As Integer)
5	[JScript] public function Delete(index : int);
6	
7	Description
. 8	Deletes a row at the specified index.
9	After deleting a System.Data.DataRow , its state changes to
10	DataViewRowState.Deleted . You can roll back the deletion by calling
11	System.Data.DataTable.RejectChanges on the System.Data.DataTable . The
12	index of the row to delete.
13	Dispose
14	
15	[C#] protected override void Dispose(bool disposing);
16	[C++] protected: void Dispose(bool disposing);
17	[VB] Overrides Protected Sub Dispose(ByVal disposing As Boolean)
18	[JScript] protected override function Dispose(disposing : Boolean);
19	
20	Description
21	Disposes of the resources (other than memory) used by the
22	System.Data.DataView object.
23	Property change notifications between the System.Data.DataView and the
24	underlying System.Data.DataTable stop after this method is called.
25	EndInit

[C#] public void EndInit(); [C++] public: __sealed void EndInit(); [VB] NotOverridable Public Sub EndInit() [JScript] public function EndInit(); 6 Description 7 Ends the initialization of a System. Data. Data View that is used on a form or 8 used by another component. The initialization occurs at runtime. 9 The Visual Studio.NET design environment uses this method to end the 10 initialization of a component that is used on a form or used by another component. 11 The System. Data. Data View. Begin Init method starts the initialization. Using the 12 BeginInit and EndInit methods prevents the control from being used before it is 13 fully initialized. 14 Find 15 16 [C#] public int Find(object key); 17 [C++] public: int Find(Object* key); 18 [VB] Public Function Find(ByVal key As Object) As Integer 19 [JScript] public function Find(key: Object): int; Finds a row in the 20 System.Data.DataView by the specified primary key value. 21 22 Description 23 Finds a row in the **System.Data.DataView** by the specified primary key 24

value.

20

21

22

23

24

25

Return Value: The index of the row in the System. Data. Data View containing the primary key value specified; otherwise a null value if the primary key value does 2 not exist. The object to search for. 3 **Find** 4 5 [C#] public int Find(object[] key); 6 [C++] public: int Find(Object* key gc[]); 7 [VB] Public Function Find(ByVal key() As Object) As Integer 8 [JScript] public function Find(key : Object[]) : int; 9 10 Description 11 Finds an array of rows in the System. Data. Data View by the specified 12 primary key values. 13 Return Value: The array of row indexes in the System. Data. Data View containing 14 the primary key values specified; otherwise a null value if the primary key values 15 do not exist. An array of values, typed as System. Object. 16 **FindRows** 17 18 [C#] public DataRowView[] FindRows(object key); [C++] public: DataRowView* FindRows(Object* key) []; [VB] Public Function FindRows(ByVal key As Object) As DataRowView() [JScript] public function FindRows(key: Object): DataRowView[]; Finds a row in the System. Data. Data View by the specified primary key value.

FindRows

1	
2	[C#] public DataRowView[] FindRows(object[] key);
3	[C++] public: DataRowView* FindRows(Object* keygc[]) [];
4	[VB] Public Function FindRows(ByVal key() As Object) As DataRowView()
5	[JScript] public function FindRows(key : Object[]) : DataRowView[]; Finds a
6	row in the System.Data.DataView by the specified primary key values.
7	GetEnumerator
8	
9	[C#] public IEnumerator GetEnumerator();
10	[C++] public:sealed IEnumerator* GetEnumerator();
11	[VB] NotOverridable Public Function GetEnumerator() As IEnumerator
12	[JScript] public function GetEnumerator() : IEnumerator;
13	
14	Description
15	Gets an enumerator for this System.Data.DataView .
16	Return Value: An System.Collections.IEnumerator for navigating through the
17	list.
18	IndexListChanged
19	
20	[C#] protected virtual void IndexListChanged(object sender,
21	ListChangedEventArgs e);
22	[C++] protected: virtual void IndexListChanged(Object* sender,
23	ListChangedEventArgs* e);
24	[VB] Overridable Protected Sub IndexListChanged(ByVal sender As Object,
25	ByVal e As ListChangedEventArgs)

1	[JScript] protected function IndexListChanged(sender : Object, e :
2	ListChangedEventArgs);
3	
4	Description
5	Occurs after a System.Data.DataVie w has been changed successfully. The
6	source of the event. A System.ComponentModel.ListChangedEventArgs that
7	contains the event data.
8	OnListChanged
9	
10	[C#] protected virtual void OnListChanged(ListChangedEventArgs e);
11	[C++] protected: virtual void OnListChanged(ListChangedEventArgs*e);
12	[VB] Overridable Protected Sub OnListChanged(ByVal e As
13	ListChangedEventArgs)
14	[JScript] protected function OnListChanged(e: ListChangedEventArgs);
15	·
16	Description
17	Raises the System.Data.DataView.ListChanged event. A
18	System.ComponentModel.ListChangedEventArgs that contains the event data.
19	Open
20	
21	[C#] protected void Open();
22	[C++] protected: void Open();
23	[VB] Protected Sub Open()
24	[JScript] protected function Open();
25	

	•
1	
2	Description
3	Opens a System.Data.DataView.
4	The method allows you to manually open the System.Data.DataView in
5	derived classes. Use the corresponding System.Data.DataView.Close method to
6	close the System.Data.DataView.
7	Reset
8	
9	[C#] protected void Reset();
10	[C++] protected: void Reset();
11	[VB] Protected Sub Reset()
12	[JScript] protected function Reset();
13	
14	Description
15	Reserved for internal use only.
16	IList.Add
17	
18	[C#] int IList.Add(object value);
19	[C++] int IList::Add(Object* value);
20	[VB] Function Add(ByVal value As Object) As Integer Implements IList.Add
21	[JScript] function IList.Add(value : Object) : int;
22	IList.Clear
23	
24	[C#] void IList.Clear();
25	[C++] void IList::Clear();

```
[VB] Sub Clear() Implements IList.Clear
    [JScript] function IList.Clear();
2
           IList.Contains
3
    [C#] bool IList.Contains(object value);
    [C++] bool IList::Contains(Object* value);
6
    [VB] Function Contains(ByVal value As Object) As Boolean Implements
7
    IList.Contains
8
    [JScript] function IList.Contains(value : Object) : Boolean;
9
           IList.IndexOf
10
11
    [C#] int IList.IndexOf(object value);
12
    [C++] int IList::IndexOf(Object* value);
13
    [VB] Function IndexOf(ByVal value As Object) As Integer Implements
14
    IList.IndexOf
15
    [JScript] function IList.IndexOf(value: Object): int;
16
           IList.Insert
17
18
    [C#] void IList.Insert(int index, object value);
19
    [C++] void IList::Insert(int index, Object* value);
20
    [VB] Sub Insert(ByVal index As Integer, ByVal value As Object) Implements
21
    IList.Insert
22
    [JScript] function IList.Insert(index: int, value: Object);
23
           IList.Remove
24
```

```
[C#] void IList.Remove(object value);
2
    [C++] void IList::Remove(Object* value);
3
    [VB] Sub Remove(ByVal value As Object) Implements IList.Remove
    [JScript] function IList.Remove(value : Object);
5
           IList.RemoveAt
6
7
    [C#] void IList.RemoveAt(int index);
8
    [C++] void IList::RemoveAt(int index);
9
    [VB] Sub RemoveAt(ByVal index As Integer) Implements IList.RemoveAt
10
    [JScript] function IList.RemoveAt(index: int);
11
           IBindingList.AddIndex
12
13
    [C#] void IBindingList.AddIndex(PropertyDescriptor property);
14
    [C++] void IBindingList::AddIndex(PropertyDescriptor* property);
15
    [VB] Sub AddIndex(ByVal property As PropertyDescriptor) Implements
16
    IBindingList.AddIndex
17
    [JScript] function IBindingList.AddIndex(property : PropertyDescriptor);
18
           IBindingList.AddNew
19
20
    [C#] object IBindingList.AddNew();
21
    [C++] Object* IBindingList::AddNew();
22
    [VB] Function AddNew() As Object Implements IBindingList.AddNew
23
    [JScript] function IBindingList.AddNew(): Object;
24
           IBindingList.ApplySort
25
```

1	
2	[C#] void IBindingList.ApplySort(PropertyDescriptor property, ListSortDirection
3	direction);
4	[C++] void IBindingList::ApplySort(PropertyDescriptor* property,
5	ListSortDirection direction);
6	[VB] Sub ApplySort(ByVal property As PropertyDescriptor, ByVal direction As
7	ListSortDirection) Implements IBindingList.ApplySort
8	[JScript] function IBindingList.ApplySort(property : PropertyDescriptor,
9	direction: ListSortDirection);
10	IBindingList.Find
11	
12	[C#] int IBindingList.Find(PropertyDescriptor property, object key);
13	[C++] int IBindingList::Find(PropertyDescriptor* property, Object* key);
14	[VB] Function Find(ByVal property As PropertyDescriptor, ByVal key As Object)
15	As Integer Implements IBindingList.Find
16	[JScript] function IBindingList.Find(property : PropertyDescriptor, key : Object)
17	: int;
18	IBindingList.RemoveIndex
19	
20	[C#] void IBindingList.RemoveIndex(PropertyDescriptor property);
21	[C++] void IBindingList::RemoveIndex(PropertyDescriptor* property);
22	[VB] Sub RemoveIndex(ByVal property As PropertyDescriptor) Implements
23	IBindingList.RemoveIndex
24	[JScript] function IBindingList.RemoveIndex(property : PropertyDescriptor);
25	IBindingList.RemoveSort

```
[C#] void IBindingList.RemoveSort();
2
    [C++] void IBindingList::RemoveSort();
3
    [VB] Sub RemoveSort() Implements IBindingList.RemoveSort
    [JScript] function IBindingList.RemoveSort();
5
          ITypedList.GetItemProperties
6
7
    [C#] PropertyDescriptorCollection
8
    ITypedList.GetItemProperties(PropertyDescriptor[] listAccessors);
9
    [C++] PropertyDescriptorCollection*
10
    ITypedList::GetItemProperties(PropertyDescriptor* listAccessors[]);
11
    [VB] Function GetItemProperties(ByVal listAccessors() As PropertyDescriptor)
12
    As PropertyDescriptorCollection Implements ITypedList.GetItemProperties
13
    [JScript] function ITypedList.GetItemProperties(listAccessors:
14
    PropertyDescriptor[]) : PropertyDescriptorCollection;
15
          ITypedList.GetListName
16
17
    [C#] string ITypedList.GetListName(PropertyDescriptor[] listAccessors);
18
    [C++] String * ITypedList::GetListName(PropertyDescriptor * listAccessors[]);
19
    [VB] Function GetListName(ByVal listAccessors() As PropertyDescriptor) As
20
    String Implements ITypedList.GetListName
21
    [JScript] function ITypedList.GetListName(listAccessors : PropertyDescriptor[]) :
22
    String;
23
           UpdateIndex
24
```

1	
2	[C#] protected void UpdateIndex();
3	[C++] protected: void UpdateIndex();
4	[VB] Protected Sub UpdateIndex()
5	[JScript] protected function UpdateIndex(); Reserved for internal use only.
6	
7	Description
8	Reserved for internal use only.
9	UpdateIndex
10	
11	[C#] protected virtual void UpdateIndex(bool force);
12	[C++] protected: virtual void UpdateIndex(bool force);
13	[VB] Overridable Protected Sub UpdateIndex(ByVal force As Boolean)
14	[JScript] protected function UpdateIndex(force : Boolean);
15	
16	Description
17	Reserved for internal use only. Reserved for internal use only.
18	DataViewManager class (System.Data)
19	UpdateIndex
20	
21	
22	Description
23	Contains a default System.Data.DataViewSettingCollection for each
24	System.Data.DataTable in a System.Data.DataSet .
25	DataViewManager

1	Example Syntax:
2	UpdateIndex
3	
4	[C#] public DataViewManager();
5	[C++] public: DataViewManager();
6	[VB] Public Sub New()
7	[JScript] public function DataViewManager(); Initializes a new instance of the
8	System.Data.DataViewManager class.
9	
10	Description
11	Initializes a new instance of the System.Data.DataViewManager class.
12	DataViewManager
13	Example Syntax:
14	UpdateIndex
15	
16	[C#] public DataViewManager(DataSet dataSet);
17	[C++] public: DataViewManager(DataSet* dataSet);
18	[VB] Public Sub New(ByVal dataSet As DataSet)
19	[JScript] public function DataViewManager(dataSet : DataSet);
20	
21	Description
22	Initializes a new instance of the System.Data.DataViewManager class for
23	the specified System.Data.DataSet. The name of the System.Data.DataSet to use.
24	Container
25	DataSet

1	UpdateIndex
2	
3	
4	Description
5	Gets or sets the name of the System.Data.DataSet to use with the
6	System.Data.DataViewManager
7	DataViewSettingCollectionString
8	UpdateIndex
9	
10	[C#] public string DataViewSettingCollectionString {get; set;}
11	[C++] public:property String* get_DataViewSettingCollectionString();public.
. 12	property void set_DataViewSettingCollectionString(String*);
13	[VB] Public Property DataViewSettingCollectionString As String
14	[JScript] public function get DataViewSettingCollectionString(): String;public
15	function set DataViewSettingCollectionString(String);
16	
17	Description
18	Gets or sets a value used for code persistence.
19	A user should not call
20	System.Data.DataViewManager.DataViewSettingCollectionString directly.
21	DataViewSettings
22	UpdateIndex
23	
24	[C#] public DataViewSettingCollection DataViewSettings {get;}
25	[C++] public:property DataViewSettingCollection* get_DataViewSettings();

1	[VB] Public ReadOnly Property DataViewSettings As DataViewSettingCollection
2	[JScript] public function get DataViewSettings() : DataViewSettingCollection;
3	
4	Description
5	Gets the System.Data.DataViewSettingCollection for each
6	System.Data.DataTable in the System.Data.DataSet .
7	DesignMode
8	Events
9	Site
10	UpdateIndex
11	
12	
13	Description
14	Occurs a row is added to or deleted from a System.Data.DataView
15	CreateDataView
16	
17	[C#] public DataView CreateDataView(DataTable table);
18	[C++] public: DataView* CreateDataView(DataTable* table);
19	[VB] Public Function CreateDataView(ByVal table As DataTable) As DataView
20	[JScript] public function CreateDataView(table : DataTable) : DataView;
21	
22	Description
23	Creates a System.Data.DataView for the specified System.Data.DataTable
24	. The name of the System.Data.DataTable to use in the System.Data.DataView.
25	OnListChanged

1	
2	[C#] protected virtual void OnListChanged(ListChangedEventArgs e);
3	[C++] protected: virtual void OnListChanged(ListChangedEventArgs* e);
4	[VB] Overridable Protected Sub OnListChanged(ByVal e As
5	ListChangedEventArgs)
6	[JScript] protected function OnListChanged(e: ListChangedEventArgs);
7	
8	Description
9	Raises the System.Data.DataViewManager.ListChanged event. A
10	System.ComponentModel.ListChangedEventArgs that contains the event data.
11	RelationCollectionChanged
12	
13	[C#] protected virtual void RelationCollectionChanged(object sender,
14	CollectionChangeEventArgs e);
15	[C++] protected: virtual void RelationCollectionChanged(Object* sender,
16	CollectionChangeEventArgs* e);
17	[VB] Overridable Protected Sub RelationCollectionChanged(ByVal sender As
18	Object, ByVal e As CollectionChangeEventArgs)
19	[JScript] protected function RelationCollectionChanged(sender : Object, e :
20	CollectionChangeEventArgs);
21	
22	Description
23	Raises a System.Data.DataRelationCollection.CollectionChanged event
24	when a System.Data.DataRelation is added to or removed from the
25	System.Data.DataRelationCollection . The source of the event. A

1	System.ComponentModel.CollectionChangeEventArgs that contains the event
2	data.
3	ICollection.CopyTo
4	
5	[C#] void ICollection.CopyTo(Array array, int index);
6	[C++] void ICollection::CopyTo(Array* array, int index);
7	[VB] Sub CopyTo(ByVal array As Array, ByVal index As Integer) Implements
8	ICollection.CopyTo
9	[JScript] function ICollection.CopyTo(array: Array, index: int);
10	IEnumerable.GetEnumerator
11	
12	[C#] IEnumerator IEnumerable.GetEnumerator();
13	[C++] IEnumerator* IEnumerable::GetEnumerator();
14	[VB] Function GetEnumerator() As IEnumerator Implements
15	IEnumerable.GetEnumerator
16	[JScript] function IEnumerable.GetEnumerator() : IEnumerator;
17	IList.Add
18	
19	[C#] int IList.Add(object value);
20	[C++] int IList::Add(Object* value);
21	[VB] Function Add(ByVal value As Object) As Integer Implements IList.Add
22	[JScript] function IList.Add(value : Object) : int;
23	IList.Clear
24	
25	[C#] void [List.Clear():

```
[C++] void IList::Clear();
    [VB] Sub Clear() Implements IList.Clear
2
    [JScript] function IList.Clear();
3
           IList.Contains
5
    [C#] bool IList.Contains(object value);
6
    [C++] bool IList::Contains(Object* value);
7
    [VB] Function Contains(ByVal value As Object) As Boolean Implements
8
    IList.Contains
9
    [JScript] function IList.Contains(value : Object) : Boolean;
10
           IList.IndexOf
11
12
    [C#] int IList.IndexOf(object value);
13
    [C++] int IList::IndexOf(Object* value);
14
    [VB] Function IndexOf(ByVal value As Object) As Integer Implements
15
    IList.IndexOf
16
    [JScript] function IList.IndexOf(value: Object): int;
17
           IList.Insert
18
19
    [C#] void IList.Insert(int index, object value);
20
    [C++] void IList::Insert(int index, Object* value);
21
    [VB] Sub Insert(ByVal index As Integer, ByVal value As Object) Implements
22
    IList.Insert
23
    [JScript] function IList.Insert(index: int, value: Object);
24
           IList.Remove
25
```

1	
2	[C#] void IList.Remove(vbject value);
3	[C++] void-IList:::Remove(Object* value);
4	[VB] Sub Remove(ByVal value As Object) Implements IList.Remove
5	[JScript] function IList.Remove(value : Object);
6	IList.RemoveAt
7	
8	[C#] void IList.RemoveAt(int index);
9	[C++] void IList::RemoveAt(int index);
10	[VB] Sub RemoveAt(ByVal index As Integer) Implements IList.RemoveAt
11	[JScript] function IList.RemoveAt(index : int);
12	IBindingList.AddIndex
13	
14	[C#] void IBindingList.AddIndex(PropertyDescriptor property);
15	[C++] void IBindingList::AddIndex(PropertyDescriptor* property);
16	[VB] Sub AddIndex(ByVal property As PropertyDescriptor) Implements
17	IBindingList.AddIndex
18	[JScript] function IBindingList.AddIndex(property : PropertyDescriptor)
19	IBindingList.AddNew
20	
21	[C#] object IBindingList.AddNew();
22	[C++] Object* IBindingList::AddNew();
23	[VB] Function AddNew() As Object Implements IBindingList.AddNew
24	[JScript] function IBindingList.AddNew(): Object;
25	IBindingList.ApplySort

1	
2	[C#] void IBindingList.ApplySort(PropertyDescriptor property, ListSortDirection
3	direction);
4	[C++] void IBindingList::ApplySort(PropertyDescriptor* property,
5	ListSortDirection direction);
6	[VB] Sub ApplySort(ByVal property As PropertyDescriptor, ByVal direction As
7	ListSortDirection) Implements IBindingList.ApplySort
8	[JScript] function IBindingList.ApplySort(property : PropertyDescriptor,
9	direction: ListSortDirection);
10	IBindingList.Find
11	·
12	[C#] int IBindingList.Find(PropertyDescriptor property, object key);
13	[C++] int IBindingList::Find(PropertyDescriptor* property, Object* key);
14	[VB] Function Find(ByVal property As PropertyDescriptor, ByVal key As Object)
15	As Integer Implements IBindingList.Find
16	[JScript] function IBindingList.Find(property: PropertyDescriptor, key: Object)
17	: int;
18	IBindingList.RemoveIndex
19	
20	[C#] void IBindingList.RemoveIndex(PropertyDescriptor property);
21	[C++] void IBindingList::RemoveIndex(PropertyDescriptor* property);
22	[VB] Sub RemoveIndex(ByVal property As PropertyDescriptor) Implements
23	IBindingList.RemoveIndex
24	[JScript] function IBindingList.RemoveIndex(property : PropertyDescriptor);
25	IBindingList.RemoveSort

```
[C#] void IBindingList.RemoveSort();
2
    [C++] void IBindingList::RemoveSort();
3
    [VB] Sub RemoveSort() Implements IBindingList.RemoveSort
4
    [JScript] function IBindingList.RemoveSort();
5
           ITypedList.GetItemProperties
6
7
    [C#] PropertyDescriptorCollection
8
    ITypedList.GetItemProperties(PropertyDescriptor[] listAccessors);
9
    [C++] PropertyDescriptorCollection*
10
    ITypedList::GetItemProperties(PropertyDescriptor* listAccessors[]);
11
    [VB] Function GetItemProperties(ByVal listAccessors() As PropertyDescriptor)
12
    As PropertyDescriptorCollection Implements ITypedList.GetItemProperties
13
    [JScript] function ITypedList.GetItemProperties(listAccessors:
14
    PropertyDescriptor[]) : PropertyDescriptorCollection;
15
           ITypedList.GetListName
16
17
    [C#] string ITypedList.GetListName(PropertyDescriptor[] listAccessors);
18
    [C++] String * ITypedList::GetListName(PropertyDescriptor * listAccessors[]);
19
    [VB] Function GetListName(ByVal listAccessors() As PropertyDescriptor) As
20
    String Implements ITypedList.GetListName
21
    [JScript] function ITypedList.GetListName(listAccessors : PropertyDescriptor[]) :
22
    String;
23
           TableCollectionChanged
24
```

1	
2	[C#] protected virtual void TableCollectionChanged(object sender,
3	CollectionChangeEventArgs e);
4	[C++] protected: virtual void TableCollectionChanged(Object* sender,
5	CollectionChangeEventArgs* e);
6	[VB] Overridable Protected Sub TableCollectionChanged(ByVal sender As
7	Object, ByVal e As CollectionChangeEventArgs)
8	[JScript] protected function TableCollectionChanged(sender : Object, e :
9	CollectionChangeEventArgs);
10	
11	Description
12	Raises a System.Data.DataTableCollection.CollectionChanged event
13	when a System.Data.DataTable is added to or removed from the
14	System.Data.DataTableCollection . The source of the event. A
15	System.ComponentModel.CollectionChangeEventArgs that contains the event
16	data.
17	DataViewRowState enumeration (System.Data)
18	ToString
19	
20	
21	Description
22	Describes the version of data in a System.Data.DataRow.
23	The System.Data.DataViewRowState values are used either to retrieve a
24	particular version of data from a System.Data.DataRow, or to determine what
25	versions exist.

ű
٠Ō
IU
M
M
Ei
·
ļ.

1	ToString
2	
3	[C#] public const DataViewRowState Added;
4	[C++] public: const DataViewRowState Added;
5	[VB] Public Const Added As DataViewRowState
6	[JScript] public var Added : DataViewRowState;
7	
8	Description
9	A new row.
10	ToString
11	
12	[C#] public const DataViewRowState CurrentRows;
13	[C++] public: const DataViewRowState CurrentRows;
14	[VB] Public Const CurrentRows As DataViewRowState
15	[JScript] public var CurrentRows : DataViewRowState;
16	
17	Description
18	Current rows including unchanged, new, and modified rows
19	ToString
20	
21	[C#] public const DataViewRowState Deleted;
22	[C++] public: const DataViewRowState Deleted;
23	[VB] Public Const Deleted As DataViewRowState
24	[JScript] public var Deleted : DataViewRowState;
25	

,	
2	Description
3	A deleted row.
4	ToString
5	
6	[C#] public const DataViewRowState ModifiedCurrent;
7	[C++] public: const DataViewRowState ModifiedCurrent;
8	[VB] Public Const ModifiedCurrent As DataViewRowState
9	[JScript] public var ModifiedCurrent : DataViewRowState;
10	
11	Description
12	A current version, which is a modified version of original data (see
13	ModifiedOriginal).
14	ToString
15	·
16	[C#] public const DataViewRowState ModifiedOriginal;
17	[C++] public: const DataViewRowState ModifiedOriginal;
18	[VB] Public Const ModifiedOriginal As DataViewRowState
19	[JScript] public var ModifiedOriginal : DataViewRowState;
20	
21	Description
22	The original version (although it has since been modified and is available
23	as ModifiedCurrent).
24	ToString
25	

1	
2	[C#] public const DataViewRowState None;
3	[C++] public: const DataViewRowState None;
4	[VB] Public Const None As DataViewRowState
5	[JScript] public var None : DataViewRowState;
6	
7	Description
8	None.
9	ToString
10	
11	[C#] public const DataViewRowState OriginalRows;
12	[C++] public: const DataViewRowState OriginalRows;
13	[VB] Public Const OriginalRows As DataViewRowState
14	[JScript] public var OriginalRows : DataViewRowState;
15	
16	Description
17	Original rows including unchanged and deleted rows.
18	ToString
19	
20	[C#] public const DataViewRowState Unchanged;
21	[C++] public: const DataViewRowState Unchanged;
22	[VB] Public Const Unchanged As DataViewRowState
23	[JScript] public var Unchanged : DataViewRowState;
24	
25	Description

ıΔ
ŧΰ
IJ
Į
M
21
الي:
[=

1	An unchanged row.
2	DataViewSetting class (System.Data)
3	ToString
4	
5	
6	Description
7	Represents the default settings for ApplyDefaultSort, DataViewManager,
8	RowFilter, RowStateFilter, Sort, and Table for DataViews created from the
9	System.Data.DataViewManager
10	ApplyDefaultSort
11	ToString
12	
13	[C#] public bool ApplyDefaultSort {get; set;}
14	[C++] public:property bool get_ApplyDefaultSort();public:property void
15	set_ApplyDefaultSort(bool);
16	[VB] Public Property ApplyDefaultSort As Boolean
17	[JScript] public function get ApplyDefaultSort(): Boolean; public function set
18	ApplyDefaultSort(Boolean);
19	
20	Description
21	Gets or sets a value indicating whether to use the default sort.
22	DataViewManager
23	ToString
24	
25	[C#] public DataViewManager DataViewManager {get;}
Į:	

1	[C++] public:property DataViewManager* get_DataViewManager();
2	[VB] Public ReadOnly Property DataViewManager As DataViewManager
3	[JScript] public function get DataViewManager() : DataViewManager;
4	
5	Description
6	Gets the System.Data.DataViewManager that contains this
7	System.Data.DataViewSetting.
8	RowFilter
9	ToString
10	
11	[C#] public string RowFilter {get; set;}
12	[C++] public:property String* get_RowFilter();public:property void
13	set_RowFilter(String*);
14	[VB] Public Property RowFilter As String
15	[JScript] public function get RowFilter() : String;public function set
16	RowFilter(String);
17	
18	Description
19	Gets or sets the filter to apply in the System.Data.DataView.
20	RowStateFilter
21	ToString
22	
23	[C#] public DataViewRowState RowStateFilter {get; set;}
24	[C++] public:property DataViewRowState get_RowStateFilter();public:
25	property void set_RowStateFilter(DataViewRowState);

1	[VB] Public Property RowStateFilter As DataViewRowState
2	[JScript] public function get RowStateFilter() : DataViewRowState;public
3	function set RowStateFilter(DataViewRowState);
4	
5	Description
6	Gets or sets a value indicating whether to display Current, Deleted,
7	Modified Current, ModifiedOriginal, New, Original, Unchanged, or no rows in
8	the System.Data.DataView
9	Sort
10	ToString
11	
12	[C#] public string Sort {get; set;}
13	[C++] public:property String* get_Sort();public:property void
14	set_Sort(String*);
15	[VB] Public Property Sort As String
16	[JScript] public function get Sort(): String; public function set Sort(String);
17	
18	Description
19	Gets or sets a value indicating the Sort to apply in the
20	System.Data.DataView.
21	Table ~~
22	ToString
23	
24	[C#] public DataTable Table {get;}
25	[C++] public:property DataTable* get_Table();

1	[VB] Public ReadOnly Property Table As DataTable
2	[JScript] public function get Table() : DataTable;
3	
4	Description
5	Gets the System.Data.DataTable to which the
6	System.Data.DataViewSetting properties apply.
7	DataViewSettingCollection class (System.Data)
8	ToString
9	
10	•
11	Description
12	Contains a read-only collection of System.Data.DataViewSetting objects
13	for each System.Data.DataTable in a System.Data.DataSet.
14	A user cannot add or remove a DataViewSetting from the collection, but
15	can change the properties of the DataViewSetting corresponding to a particular
16	DataTable. Adding or removing a DataTable from the DataSet adds or removes
17	the corresponding DataViewSetting from the collection.
18	Count
19	ToString
20	
21	[C#] public virtual int Count {get;}
22	[C++] public:property virtual int get_Count();
23	[VB] Overridable Public ReadOnly Property Count As Integer
24	[JScript] public function get Count() : int;

1	
2	Description
3	Gets the number of System.Data.DataViewSetting objects in the
4	System.Data.DataViewSettingCollection .
5	The number of System.Data.DataViewSetting objects is the same as the
6	number of System.Data.DataTable objects in the System.Data.DataSet.
7	IsReadOnly
8	ToString
9	·
10	[C#] public bool IsReadOnly {get;}
11	[C++] public:property bool get_IsReadOnly();
12	[VB] Public ReadOnly Property IsReadOnly As Boolean
13	[JScript] public function get IsReadOnly() : Boolean;
14	
15	Description
16	Gets a value indicating whether the
17	System.Data.DataViewSettingCollection is read-only.
18	IsSynchronized
19	ToString
20	
21	[C#] public bool IsSynchronized {get;}
22	[C++] public:property bool get_IsSynchronized();
23	[VB] Public ReadOnly Property IsSynchronized As Boolean
24	[JScript] public function get IsSynchronized(): Boolean;
25	

1 Description 2 Gets a value indicating whether access to the 3 System.Data.DataViewSettingCollection is synchronized (thread-safe). 4 This property implements the **System.Collections.ICollection** interface. 5 Item 6 **ToString** 7 8 [C#] public virtual DataViewSetting this[DataTable table] {get; set;} 9 [C++] public: property virtual DataViewSetting* get Item(DataTable* 10 table);public: property virtual void set _Item(DataTable* table, 11 DataViewSetting*); 12 [VB] Overridable Public Default Property Item(ByVal table As DataTable) As 13 **DataViewSetting** 14 [JScript] returnValue = 15 DataViewSettingCollectionObject.Item(table);DataViewSettingCollectionObject.It 16 em(table) = returnValue; Gets the specified System.Data.DataTable from the 17 collection. 18 19 Description 20 Gets the specified System. Data. Data Table object from the collection. The 21 System.Data.DataTableto find. 22 Item 23 **ToString** 24 25

1	
2	[C#] public virtual DataViewSetting this[string tableName] {get;}
3	[C++] public:property virtual DataViewSetting* get_Item(String*
4	tableName);
5	[VB] Overridable Public Default ReadOnly Property Item(ByVal tableName As
6	String) As DataViewSetting
7	[JScript] returnValue = DataViewSettingCollectionObject.Item(tableName);
8	
9	Description
10	Gets the specified System.Data.DataTable from the collection. The name o
11	the System.Data.DataTable to find.
12	Item
13	ToString
14	
15	[C#] public virtual DataViewSetting this[int index] {get; set;}
16	[C++] public:property virtual DataViewSetting* get_Item(int index);public:
17	property virtual void set_Item(int index, DataViewSetting*);
. 18	[VB] Overridable Public Default Property Item(ByVal index As Integer) As
19	DataViewSetting
20	[JScript] returnValue =
21	Data View Setting Collection Object. Item (index); Data
22	tem(index) = returnValue;
23	
24	Description
25	

1	Gets the System.Data.DataTable specified by its index. The zero-based
2	index of the System.Data.DataTable to find.
3	SyncRoot
4	ToString
5	
6	[C#] public object SyncRoot {get;}
7	[C++] public:property Object* get_SyncRoot();
8	[VB] Public ReadOnly Property SyncRoot As Object
9	[JScript] public function get SyncRoot() : Object;
10	
11	Description
12	Gets an object that can be used to synchronize access to the
13	System.Data.DataViewSettingCollection.
14	This property implements the System.Collections.ICollection interface.
15	СоруТо
16	
17	[C#] public void CopyTo(Array ar, int index);
18	[C++] public:sealed void CopyTo(Array* ar, int index);
19	[VB] NotOverridable Public Sub CopyTo(ByVal ar As Array, ByVal index As
20	Integer)
21	[JScript] public function CopyTo(ar : Array, index : int);
22	
23	Description
24	Copies the elements of the System.Data.DataViewSettingCollection to the
25	specified array. An System.Array to which to copy

System. Data. Data View Setting Collection elements. The starting index of the array. 2 **GetEnumerator** 3 4 [C#] public IEnumerator GetEnumerator(); 5 [C++] public: sealed IEnumerator* GetEnumerator(); 6 [VB] NotOverridable Public Function GetEnumerator() As IEnumerator 7 [JScript] public function GetEnumerator(): IEnumerator; 8 9 Description 10 Gets an IEnumerator for the collection. 11 DBConcurrencyException class (System.Data) 12 **ToString** 13 14 15 Description 16 The exception that is thrown by the DataAdapter during the update 17 operation if the number of rows affected equals zero. 18 The DataAdapter examines the number of rows affected by the execution of 19 each insert, update, or delete operation, and throws this exception if the number 20 equals zero. This is usually the result of a concurrency violation. 21 *DBConcurrencyException* 22 Example Syntax: 23 **ToString** 24

1	
2	[C#] public DBConcurrencyException(string message);
3	[C++] public: DBConcurrencyException(String* message);
4	[VB] Public Sub New(ByVal message As String)
5	[JScript] public function DBConcurrencyException(message : String); Initializes
6	a new instance of the System.Data.DBConcurrencyException class.
7	·
8	Description
9	Initializes a new instance of the System.Data.DBConcurrencyException
10	class. The text string describing the details of the exception.
11	DBConcurrencyException
12	Example Syntax:
13	ToString
14	
15	[C#] public DBConcurrencyException(string message, Exception inner);
16	[C++] public: DBConcurrencyException(String* message, Exception* inner);
17	[VB] Public Sub New(ByVal message As String, ByVal inner As Exception)
18	[JScript] public function DBConcurrencyException(message : String, inner :
19	Exception);
20	
21	Description
22	Initializes a new instance of the System.Data.DBConcurrencyException
23	class.
24	You can create a new exception that catches an earlier exception. The code
25	that handles the second exception can make use of the additional information from

the earlier exception, also called an inner exception, to examine the cause of the
initial error. The text string describing the details of the exception. A reference to
an inner exception.
HelpLink
HResult
InnerException
Message
Row
ToString
Description
Gets or sets the value of the System.Data.DataRow.
Use System.Data.DBConcurrencyException.Row to retrieve the value of
the System.Data.DataRow row that generated the
System.Data.DBConcurrencyException . Setting the value of the
System.Data.DataRow has no effect.
Source
StackTrace
TargetSite
DbType enumeration (System.Data)
ToString

Description

Gets the data type of a field, a property, or a **Parameter** object of a .NET data provider.

The type of a parameter is specific to the .NET data provider. Specifying the type converts the value of the **Parameter** to the .NET data provider Type before passing the value to the data source. If the type is not specified, ADO.NET infers the .NET data provider Type of the **Parameter** from the .NET Framework Type from the **Value** property of the **Parameter** object.

ToString

[C#] public const DbType AnsiString;

[C++] public: const DbType AnsiString;

[VB] Public Const AnsiString As DbType

[JScript] public var AnsiString: DbType;

Description

A variable-length stream of non-Unicode characters ranging between 1 and 8,000 characters.

ToString

[C#] public const DbType AnsiStringFixedLength;

[C++] public: const DbType AnsiStringFixedLength;

[VB] Public Const AnsiStringFixedLength As DbType

[JScript] public var AnsiStringFixedLength : DbType;

ToString

1	
2	[C#] public const DbType Binary;
3	[C++] public: const DbType Binary;
4	[VB] Public Const Binary As DbType
5	[JScript] public var Binary : DbType;
6	
7	Description
8	A variable-length stream of binary data ranging between 1 and 8,000 bytes.
9	ToString
10	
11	[C#] public const DbType Boolean;
12	[C++] public: const DbType Boolean;
13	[VB] Public Const Boolean As DbType
14	[JScript] public var Boolean : DbType;
15	
16	Description
17	A simple type representing Boolean values of true or false .
18	ToString
19	
20	[C#] public const DbType Byte;
21	[C++] public: const DbType Byte;
22	[VB] Public Const Byte As DbType
23	[JScript] public var Byte : DbType;
24	
25	Description

:===
III
IU
M
M
E!
·
[=i
Ē
H

1	An 8-bit unsigned integer.
2	ToString
3	
4	[C#] public const DbType Currency;
5	[C++] public: const DbType Currency;
6	[VB] Public Const Currency As DbType
7	[JScript] public var Currency : DbType;
8	
9	Description
10	A currency value ranging from -2 (or -922,337,203,685,477.5808) to 2 -1
11	(or +922,337,203,685,477.5807) with an accuracy to a ten-thousandth of a
12	currency unit.
13	ToString
14	
15	[C#] public const DbType Date;
16	[C++] public: const DbType Date;
17	[VB] Public Const Date As DbType
18	[JScript] public var Date : DbType;
19	
20	Description
21	Date and time data ranging in value from January 1, 1753 to December 31,
22	9999 to an accuracy of 3.33 milliseconds.
23	ToString
24	
25	[C#] public const DbType DateTime;

1	[C++] public: const DbType DateTime;
2	[VB] Public Const DateTime As DbType
3	[JScript] public var DateTime : DbType;
4	
5	Description
6	A type representing a date and time value.
7	ToString
8	
9	[C#] public const DbType Decimal;
10	[C++] public: const DbType Decimal;
11	[VB] Public Const Decimal As DbType
12	[JScript] public var Decimal : DbType;
13	
14	Description
15	A simple type representing values ranging from 1.0×10 to approximately
16	7.9 x 10 with 28-29 significant digits.
17	ToString
18	
19	[C#] public const DbType Double;
20	[C++] public: const DbType Double;
21	[VB] Public Const Double As DbType
22	[JScript] public var Double : DbType;
23	
24	Description
25	

1	A floating point type representing values ranging from approximately 5.0 x
2	10 to 1.7 x 10 with a precision of 15-16 digits.
3	ToString
4	
5	[C#] public const DbType Guid;
6	[C++] public: const DbType Guid;
7	[VB] Public Const Guid As DbType
8	[JScript] public var Guid : DbType;
9	
10	Description
11	A globally unique identifier (or GUID).
12	ToString
13	
14	[C#] public const DbType Int16;
15	[C++] public: const DbType Int16;
16	[VB] Public Const Int16 As DbType
17	[JScript] public var Int16 : DbType;
18	
19	Description
20	An integral type representing signed 16-bit integers with values between -
21	32768 and 32767.
22	ToString
23	
24	[C#] public const DbType Int32;
25	[C++] public: const DbType Int32;

1	[VB] Public Const Int32 As DbType
2	[JScript] public var Int32 : DbType;
3	
4	Description
5	An integral type representing signed 32-bit integers with values between -
6	2147483648 and 2147483647.
7	ToString
8	
9	[C#] public const DbType Int64;
10	[C++] public: const DbType Int64;
11	[VB] Public Const Int64 As DbType
12	[JScript] public var Int64 : DbType;
13	
14	Description
15	An integral type representing signed 64-bit integers with values between -
16	9223372036854775808 and 9223372036854775807.
17	ToString
18	
19	[C#] public const DbType Object;
20	[C++] public: const DbType Object;
21	[VB] Public Const Object As DbType
22	[JScript] public var Object : DbType;
23	
24	Description
25	

Ü
I
m
Ē
2;
L
-

1	A general type representing any reference or value type not explicitly
2	represented by another TypeCode.
3	ToString
4	
5	[C#] public const DbType SByte;
6	[C++] public: const DbType SByte;
7	[VB] Public Const SByte As DbType
8	[JScript] public var SByte : DbType;
9	
10	Description
11	An integral type representing signed 8-bit integers with values between -
12	128 and 127.
13	ToString
14	
15	[C#] public const DbType Single;
16	[C++] public: const DbType Single;
17	[VB] Public Const Single As DbType
18	[JScript] public var Single : DbType;
19	
20	Description
21	A floating point type representing values ranging from approximately 1.5 x
22	10 to 3.4 x 10 with a precision of 7 digits.
23	ToString
24	
25	[C#] public const DbType String;

1	[C++] public: const DbType String;
2	[VB] Public Const String As DbType
3	[JScript] public var String : DbType;
4	
5	Description
6	A sealed class type representing Unicode character strings.
7	ToString
8	
9	[C#] public const DbType StringFixedLength;
10	[C++] public: const DbType StringFixedLength;
11	[VB] Public Const StringFixedLength As DbType
12	[JScript] public var StringFixedLength : DbType;
13	ToString
14	
15	[C#] public const DbType Time;
16	[C++] public: const DbType Time;
17	[VB] Public Const Time As DbType
18	[JScript] public var Time : DbType;
19	
20	Description
21	Date and time data ranging in value from January 1, 1753 to December 31,
22	9999 to an accuracy of 3.33 milliseconds.
23	ToString
24	
25	[C#] public const DbType UInt16;

1	[C++] public: const DbType UInt16;
2	[VB] Public Const UInt16 As DbType
3	[JScript] public var UInt16 : DbType;
4	
5	Description
6	An integral type representing unsigned 16-bit integers with values between
7	0 and 65535.
8	ToString
9	
10	[C#] public const DbType UInt32;
11	[C++] public: const DbType UInt32;
12	[VB] Public Const UInt32 As DbType
13	[JScript] public var UInt32 : DbType;
14	
15	Description
16	An integral type representing unsigned 32-bit integers with values between
17	0 and 4294967295.
18	ToString
19	
20	[C#] public const DbType UInt64;
21	[C++] public: const DbType UInt64;
22	[VB] Public Const UInt64 As DbType
23	[JScript] public var UInt64 : DbType;
24	
25	Description

An integral type representing unsigned 64-bit integers with values between l 0 and 18446744073709551615. 2 **ToString** 3 4 [C#] public const DbType VarNumeric; 5 [C++] public: const DbType VarNumeric; 6 [VB] Public Const VarNumeric As DbType 7 [JScript] public var VarNumeric : DbType; 8 DeletedRowInaccessibleException class (System.Data) 9 **ToString** 10 11 12 Description 13 Represents the exception that is thrown when an action is attempted on a 14 System.Data.DataRow that has been deleted. 15 To delete a System.Data.DataRow, use the System.Data.DataRow class's 16 System.Data.DataRow.Delete method. Once you have deleted a row, any attempts 17 to manipulate it will generate the System. Data. Deleted Row Inaccessible Exception 18 19 DeletedRowInaccessibleException 20 Example Syntax: 21 **ToString** 22 23 [C#] public DeletedRowInaccessibleException(); 24 [C++] public: DeletedRowInaccessibleException();

25

1	[VB] Public Sub New()
2	[JScript] public function DeletedRowInaccessibleException(); Initializes a new
3	instance of the System.Data.DeletedRowInaccessibleException class.
4	
5	Description
6	Initializes a new instance of the
7	System.Data.DeletedRowInaccessibleException class.
8	Use the System.Data.DataRow class's System.Data.DataRow.RowState to
9	determine if a row has been deleted.
10	DeletedRowInaccessibleException
11	Example Syntax:
12	ToString
13	·
14	[C#] public DeletedRowInaccessibleException(string s);
15	[C++] public: DeletedRowInaccessibleException(String*s);
16	[VB] Public Sub New(ByVal s As String)
17	[JScript] public function DeletedRowInaccessibleException(s : String);
18	
19	Description
20	Initializes a new instance of the
21	System.Data.DeletedRowInaccessibleException class with the specified string.
22	Use the System.Data.DataRow class's System.Data.DataRow.RowState to
23	determine if a row has been deleted. The string to display when the exception is
24	thrown.
25	DeletedRowInaccessibleException





Example Syntax:

ToString

3

1

2

4

5 6

7

8

9 10

11

12

14

15

16

17 18

19

20

21

22

23

24 25 [C#] public DeletedRowInaccessibleException(SerializationInfo info,

StreamingContext context);

[C++] public: DeletedRowInaccessibleException(SerializationInfo* info,

StreamingContext context);

[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As

StreamingContext)

[JScript] public function DeletedRowInaccessibleException(info:

SerializationInfo, context: StreamingContext); Initializes a new instance of the

System.Data.DeletedRowInaccessibleException class.

Description

Initializes a new instance of the

System.Data.DeletedRowInaccessibleException class with serialization information. The data necessary to serialize or deserialize an object. Description of the source and destination of the specified serialized stream.

HelpLink

HResult

InnerException

Message

Source

StackTrace |

TargetSite

11	
1	DuplicateNameException class (System.Data)
2	ToString
3	
4	
5	Description
6	Represents the exception that is thrown when a duplicate database object
7	name is encountered during an add operation in a System.Data.DataSet -related
8	object.
9	Examples of duplicate database object names that may be encountered are
10	tables, columns, relations, or constraints.
11	Duplicate Name Exception
12	Example Syntax:
13	ToString
14	
15	[C#] public DuplicateNameException();
16	[C++] public: DuplicateNameException();
17	[VB] Public Sub New()
18	[JScript] public function DuplicateNameException();
19	
20	Description
21	Initializes a new instance of the System.Data.DuplicateNameException
22	class.
23	DuplicateNameException
24	Example Syntax:
25	ToString

1	·
2	[C#] public DuplicateNameException(string s);
. 3	[C++] public: DuplicateNameException(String*s);
4	[VB] Public Sub New(ByVal s As String)
5	[JScript] public function DuplicateNameException(s : String);
6	
7	Description
8	Initializes a new instance of the System.Data.DuplicateNameException
9	class with the specified string. The string to display when the exception is thrown.
10	DuplicateNameException
11	Example Syntax:
12	ToString
13	
14	[C#] public DuplicateNameException(SerializationInfo info, StreamingContext
15	context);
16	[C++] public: DuplicateNameException(SerializationInfo* info,
17	StreamingContext context);
18	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
19	StreamingContext)
20	[JScript] public function DuplicateNameException(info : SerializationInfo,
21	context: StreamingContext); Initializes a new instance of the
22	System.Data.DuplicateNameException class.
23	
24	Description
25	

Initializes a new instance of the System.Data.DuplicateNameException
class with serialization information. The data necessary to serialize or deserialize
an object. Description of the source and destination of the specified serialized
stream.
HelpLink
HResult
InnerException
Message
Source
StackTrace
TargetSite
EvaluateException class (System.Data)
ToString
Description
Represents the exception that is thrown when the
System.Data.DataColumn.Expression property of a System.Data.DataColumn
cannot be evaluated.
EvaluateException
Example Syntax:
ToString

[C++] public: EvaluateException();

_	
1	[VB] Public Sub New()
2	[JScript] public function EvaluateException(); Initializes a new instance of the
3	System.Data.EvaluateException class.
4	
5	Description
6	Initializes a new instance of the System.Data.EvaluateException class.
7	EvaluateException
8	Example Syntax:
9	ToString
10	
11	[C#] public EvaluateException(string s);
12	[C++] public: EvaluateException(String*s);
13	[VB] Public Sub New(ByVal s As String)
14	[JScript] public function EvaluateException(s : String);
15	
16	Description
17	Initializes a new instance of the System.Data.EvaluateException class with
18	the specified string. The string to display when the exception is thrown.
19	EvaluateException
20	Example Syntax:
21	ToString
22	
23	[C#] public EvaluateException(SerializationInfo info, StreamingContext context);
24	[C++] public: Evaluate Exception (Serialization Info* info, Streaming Context
25	context);

1	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
2	StreamingContext)
3	[JScript] public function EvaluateException(info : SerializationInfo, context :
4	StreamingContext);
5	
6	Description
7	Initializes a new instance of the System.Data.EvaluateException class with
8	the System.Runtime.Serialization.SerializationInfo and the
9	System.Runtime.Serialization.StreamingContext. The data needed to serialize or
10	deserialize an object. The source and destination of a given serialized stream.
11	HelpLink
12	HResult
13	· InnerException
14	Message
15	Source
16	StackTrace
17	TargetSite
18	FillErrorEventArgs class (System.Data)
19	ToString
20	
21	
22	Description
23	Provides data for the System.Data.Common.DbDataAdapter.FillError
24	event of a System.Data.Common.DbDataAdapter.
25	

1	The data is used by the
2	System. Data. Common. DbData Adapter. On Fill Error (System. Data. Fill Error Event Common. DbData Adapter. On Fill Error (System. Data. Fill Error Event Common. DbData Adapter. On Fill Error (System. Data. Fill Error Event Common. DbData Adapter. On Fill Error (System. Data. Fill Error Event Common. DbData Adapter. On Fill Error (System. Data. Fill Error Event Common. DbData Adapter. On Fill Error (System. Data. Fill Error Event Common. DbData Adapter. On Fill Error (System. Data. Fill Error Event Common. DbData Adapter. On Fill Error (System. Data. Fill Error Event Common. DbData Adapter. On Fill Error (System. Data. Fill Error Event Common. DbData. Fill Error Event Common. DbData Adapter. On Fill Error (System. Data. Fill Error Event Common. DbData. Fill Error Event Common. DbData. Fill Error Event Common. DbData. Fill Error (System. Data. Fill Error Event Common. DbData. Fill Error (System. Data. Fill Error Event Common. DbData. Fill Error (System. Data. Fill Error Event Common. DbData. Fill Error Event Common. Fill Error Event Common. DbData. Fill Error Event Common. Fill Error Event Common. Fill Error Event Common. Fill Error Event Common. Fill Event Common. Fill Event Common. Fill Event Common
3	Args) method of the System.Data.Common.DbDataAdapter.
4	FillErrorEventArgs
5	Example Syntax:
6	ToString
7	
8	[C#] public FillErrorEventArgs(DataTable dataTable, object[] values);
9	[C++] public: FillErrorEventArgs(DataTable* dataTable, Object* values
10	gc[]);
11	[VB] Public Sub New(ByVal dataTable As DataTable, ByVal values() As Object)
12	[JScript] public function FillErrorEventArgs(dataTable : DataTable, values :
13	Object[]);
14	
15	Description
16	Initializes a new instance of the System.Data.FillErrorEventArgs class.
17	The System.Data.DataTable being updated. The values for the row being updated.
18	Continue
19	ToString
20	
21	[C#] public bool Continue {get; set;}
22	[C++] public:property bool get_Continue();public:property void
23	set_Continue(bool);
24	[VB] Public Property Continue As Boolean
25	[JScript] public function get Continue(): Boolean; public function set

	1	Continue(Boolean);
	2	
	3	Description
	4	Gets or sets a value indicating whether to continue the fill operation despite
	5	the error.
	6	DataTable
	7	ToString
	8	
	9	[C#] public DataTable DataTable {get;}
	10	[C++] public:property DataTable* get_DataTable();
	11	[VB] Public ReadOnly Property DataTable As DataTable
iñ M	12	[JScript] public function get DataTable() : DataTable;
	13	
	14	Description
	15	Gets the System.Data.DataTable being updated when the error occurred.
- -	16	Errors
	17	ToString
	18	
	19	[C#] public Exception Errors {get; set;}
	20	[C++] public:property Exception* get_Errors();public:property void
	21	set_Errors(Exception*);
	22	[VB] Public Property Errors As Exception
	23	[JScript] public function get Errors() : Exception;public function set
	24	Errors(Exception);
	25	

Description Gets the errors being handled. 3 **Values ToString** 5 6 [C#] public object[] Values {get;} 7 [C++] public: __property Object* get_Values(); 8 [VB] Public ReadOnly Property Values As Object () 9 [JScript] public function get Values(): Object[]; 10 11 Description 12 Gets the values for the row being updated when the error occurred. 13 FillErrorEventHandler delegate (System.Data) 14 **ToString** 15 16 17 18

Description

19

20

21

22

23

24

25

lee@hayes 🚾

Represents the method that will handle the

System.Data.Common.DbDataAdapter.FillError event. The source of the event.

The System. Data. FillError Event Args that contains the event data.

When you create a System.Data.FillErrorEventHandler delegate, you identify the method that will handle the event. To associate the event with your event handler, add an instance of the delegate to the event. The event handler is

334

called whenever the event occurs, unless you remove the delegate. For more information about event handler delegates, see .

ForeignKeyConstraint class (System.Data)
ToString

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Represents an action restriction enforced on a set of columns in a primary key/foreign key relationship when a value or row is either deleted or updated.

A System. Data. Foreign Key Constraint restricts the action performed when a value in a column (or columns) is either deleted or updated. Such a constraint is intended to be used with primary key columns. In a parent/child relationship between two tables, deleting a value from the parent table can affect the child rows in one of the following ways.

ForeignKeyConstraint

Example Syntax:

ToString

[C#] public ForeignKeyConstraint(DataColumn parentColumn, DataColumn childColumn);

[C++] public: ForeignKeyConstraint(DataColumn* parentColumn,

DataColumn* childColumn);

[VB] Public Sub New(ByVal parentColumn As DataColumn, ByVal childColumn As DataColumn)

 $[JScript]\ public\ function\ For eign Key Constraint (parent Column\ :\ Data Column,$

childColumn: DataColumn); Initializes a new instance of the 1 System.Data.ForeignKeyConstraint class. 2 3 Description 4 Initializes a new instance of the System. Data. Foreign Key Constraint class 5 with the specified parent and child System. Data. Data Column objects. The parent 6 System.Data.DataColumn in the constraint. The child System.Data.DataColumn 7 in the constraint. 8 ForeignKeyConstraint 9 Example Syntax: 10 **ToString** 11 12 [C#] public ForeignKeyConstraint(DataColumn[] parentColumns, DataColumn[] 13 childColumns); 14 [C++] public: ForeignKeyConstraint(DataColumn* parentColumns[], 15 DataColumn* childColumns[]); 16 [VB] Public Sub New(ByVal parentColumns() As DataColumn, ByVal 17 childColumns() As DataColumn) 18 [JScript] public function ForeignKeyConstraint(parentColumns: DataColumn[], 19 childColumns : DataColumn[]); 20 21 Description 22 Initializes a new instance of the System. Data. Foreign Key Constraint class 23 with the specified arrays of parent and child System. Data. Data Column objects.

336

24

25

An array of parent System. Data. Data Column in the constraint. An array of child System.Data.DataColumn in the constraint. 2 ForeignKeyConstraint 3 Example Syntax: **ToString** 5 6 [C#] public ForeignKeyConstraint(string constraintName, DataColumn 7 parentColumn, DataColumn childColumn); 8 [C++] public: ForeignKeyConstraint(String* constraintName, DataColumn* 9 parentColumn, DataColumn* childColumn); 10 [VB] Public Sub New(ByVal constraintName As String, ByVal parentColumn As 11 DataColumn, ByVal childColumn As DataColumn) 12 [JScript] public function ForeignKeyConstraint(constraintName : String, 13 parentColumn : DataColumn, childColumn : DataColumn); 14 15 Description 16 Initializes a new instance of the System. Data. Foreign Key Constraint class 17 with the specified name, parent and child System. Data. Data Column objects. The 18 name of the constraint. The parent System. Data. Data Column in the constraint. 19 The child System. Data. Data Column in the constraint. 20 ForeignKeyConstraint 21 Example Syntax: 22 **ToString** 23 24

[C#] public ForeignKeyConstraint(string constraintName, DataColumn[]

parentColumns, DataColumn[] childColumns);
[C++] public: ForeignKeyConstraint(String* constraintName, DataColumn*
<pre>parentColumns[], DataColumn* childColumns[]);</pre>
[VB] Public Sub New(ByVal constraintName As String, ByVal parentColumns(
As DataColumn, ByVal childColumns() As DataColumn)
[JScript] public function ForeignKeyConstraint(constraintName: String,
<pre>parentColumns : DataColumn[], childColumns : DataColumn[]);</pre>

Description

Initializes a new instance of the System.Data.ForeignKeyConstraint class with the specified name, and arrays of parent and child System.Data.DataColumn objects. The name of the System.Data.ForeignKeyConstraint. If null or empty string, a default name will be given when added to the constraints collection. An array of parent System.Data.DataColumn in the constraint. An array of child System.Data.DataColumn in the constraint.

ForeignKeyConstraint

Example Syntax:

ToString

[C#] public ForeignKeyConstraint(string constraintName, string

parentTableName, string[] parentColumnNames, string[] childColumnNames,

AcceptRejectRule acceptRejectRule, Rule deleteRule, Rule updateRule);

[C++] public: ForeignKeyConstraint(String* constraintName, String*

parentTableName, String* parentColumnNames __gc[], String*

childColumnNames _ gc[], AcceptRejectRule acceptRejectRule, Rule deleteRule,

Rule updateRule);

[VB] Public Sub New(ByVal constraintName As String, ByVal parentTableName
As String, ByVal parentColumnNames() As String, ByVal childColumnNames() As
String, ByVal acceptRejectRule As AcceptRejectRule, ByVal deleteRule As Rule,
ByVal updateRule As Rule)

[JScript] public function ForeignKeyConstraint(constraintName: String,
parentTableName: String, parentColumnNames: String[], childColumnNames:
String[], acceptRejectRule: AcceptRejectRule, deleteRule: Rule, updateRule:

Description

Rule):

Initializes a new instance of the System.Data.ForeignKeyConstraint class with the specified name, and arrays of parent and child System.Data.DataColumn objects, the parent System.Data.DataTable name, and various rule settings. The name of the constraint. The names of the parent System.Data.DataTable that contains parent System.Data.DataColumn objects in the constraint. An array of the names of parent System.Data.DataColumn objects in the constraint. An array of the names of child System.Data.DataColumn objects in the constraint. One of the System.Data.AcceptRejectRule values. Possible values include None,

Cascade, and Default. One of the System.Data.Rule values to use when a row is deleted. The default is Cascade. Possible values include: None, Cascade, SetNull, SetDefault, and Default. One of the System.Data.Rule values to use when a row is updated. The default is Cascade. Possible values include: None, Cascade,

_DataSet

1	AcceptRejectRule
2	ToString
3	
4	
5	Description
6	Indicates the action that should take place across this constraint when
7	System.Data.DataTable.AcceptChanges is invoked.
8	Changes to a System.Data.DataRow or System.Data.DataTable are not
9	final until the AcceptChanges method is invoked. At that point, the
10	System.Data.ForeignKeyConstraint.AcceptRejectRule determines the course of
11	action on any values that have been changed or deleted.
12	Columns
13	ToString
14	
15	[C#] public virtual DataColumn[] Columns {get;}
16	[C++] public:property virtual DataColumn* get_Columns();
17	[VB] Overridable Public ReadOnly Property Columns As DataColumn ()
18	[JScript] public function get Columns() : DataColumn[];
19	
20	Description
21	Gets the child columns of this constraint.
22	ConstraintName
23	DeleteRule
24	ToString
25	

2 Description 3 Gets or sets the action that occurs across this constraint when a row is 4 deleted. 5 When a row is deleted from a parent table, the 6 System.Data.ForeignKeyConstraint.DeleteRule determines what will happen in 7 the columns of the child table (or tables). If the rule is set to Cascade, child rows 8 will be deleted. 9 **ExtendedProperties** 10 RelatedColumns 11 **ToString** 12 13 14 Description 15 The parent columns of this constraint. 16 *RelatedTable* 17 **ToString** 18 19 [C#] public virtual DataTable RelatedTable {get;} 20 [C++] public: property virtual DataTable* get RelatedTable(); 21 [VB] Overridable Public ReadOnly Property RelatedTable As DataTable 22 [JScript] public function get RelatedTable(): DataTable; 23 24

Description

1	Gets the parent table of this constraint.
2	Table
3	ToString
4	
5	[C#] public override DataTable Table {get;}
6	[C++] public:property virtual DataTable* get_Table();
7	[VB] Overrides Public ReadOnly Property Table As DataTable
8	[JScript] public function get Table() : DataTable;
9	
10	Description
11	Gets the child table of this constraint.
12	UpdateRule
13	ToString
14	·
15	[C#] public virtual Rule UpdateRule {get; set;}
16	[C++] public:property virtual Rule get_UpdateRule();public:property
17	virtual void set_UpdateRule(Rule);
18	[VB] Overridable Public Property UpdateRule As Rule
19	[JScript] public function get UpdateRule() : Rule;public function set
20	UpdateRule(Rule);
21	
22	Description
23	Gets or sets the action that occurs across this constraint on when a row is
24	updated.
25	Equals

1	
2	[C#] public override bool Equals(object key);
3	[C++] public: bool Equals(Object* key);
4	[VB] Overrides Public Function Equals(ByVal key As Object) As Boolean
5	[JScript] public override function Equals(key : Object) : Boolean;
6	
7	Description
8	Gets a value indicating whether the current
9	System.Data.ForeignKeyConstraint is identical to the specified object.
10	Return Value: true , if the objects are identical; otherwise, false . The object to
11	which this System.Data.ForeignKeyConstraint is compared. Two
12	System.Data.ForeignKeyConstraint are equal if they constrain the same columns.
13	GetHashCode
14	
15	[C#] public override int GetHashCode();
16	[C++] public: int GetHashCode();
17	[VB] Overrides Public Function GetHashCode() As Integer
18	[JScript] public override function GetHashCode() : int;
19	
20	Description
21	Gets the hash code of this instance of the
22	System.Data.ForeignKeyConstraint object.
23	Return Value: A 32-bit signed integer hash code.
24	IColumnMapping interface (System.Data)
25	ToString

non randon

Description

2

3

4

5

6

7

8

9

10

1 **i**

12

13

14

15

16

17

18

19

20

21

22

23

24

Associates a data source column with a System. Data. DataSet column, and is implemented by the System. Data. Common. Data Column Mapping class, which is used in common by .NET data providers.

The System. Data. I Column Mapping interface allows an inheriting class to implement a ColumnMapping class, which associates a data source column with a System.Data.DataSet column. For more information, see .

DataSetColumn

ToString

[C#] string DataSetColumn {get; set;}

[C++] String* get DataSetColumn(); void set DataSetColumn(String*);

[VB] Property DataSetColumn As String

[JScript] abstract function get DataSetColumn(): String; public abstract function set DataSetColumn(String);

Description

Gets or sets the name of the column within the System. Data. DataSet to map to.

SourceColumn

ToString

[C#] string SourceColumn {get; set;}

1	[C++] String* get_SourceColumn();void set_SourceColumn(String*);
2	[VB] Property SourceColumn As String
3	[JScript] abstract function get SourceColumn(): String; public abstract function
4	set SourceColumn(String);
5	
6	Description
7	Gets or sets the case-sensitive column name from a data source to map
8	from.
9	IColumnMappingCollection interface (System.Data)
10	ToString
11	
12	
13	Description
14	Contains a collection of ColumnMapping objects, and is implemented by
15	the System.Data.Common.DataColumnMappingCollection, which is used in
16	common by .NET data providers.
17	The System.Data.IColumnMappingCollection interface allows an
18	inheriting class to implement a ColumnMapping collection. For more information,
19	see.
20	Item
21	ToString
22	
23	[C#] object this[string index] {get; set;}
24	[C++] Object* get_Item(String* index);void set_Item(String* index, Object*);
25	[VB] Default Property Item(ByVal index As String) As Object

1	[JScript] abstract returnValue =
2	IColumnMappingCollectionObject.Item(index);IColumnMappingCollectionObject
3	.Item(index) = returnValue;
4	
5	Description
6	Gets or sets the System.Data.Common.DataColumnMapping object with
7	the specified name. The name of the System.Data.Common.DataColumnMapping
8	object to find.
9	Add
10	
11	[C#] IColumnMapping Add(string sourceColumnName, string
12	dataSetColumnName);
13	[C++] IColumnMapping* Add(String* sourceColumnName, String*
14	dataSetColumnName);
15	[VB] Function Add(ByVal sourceColumnName As String, ByVal
16	dataSetColumnName As String) As IColumnMapping
17	[JScript] function Add(sourceColumnName : String, dataSetColumnName :
18	String) : IColumnMapping;
19	
20	Description
21	Adds a System.Data.Common.DataColumnMapping to the
22	System.Data.Common.DataColumnMappingCollection using the source column
23	and System.Data.DataSet column names.
24	Return Value: A reference to the newly-mapped
25	

1	System.Data.Common.DataColumnMapping object. The case-sensitive name of
2	the source column. The name of the System.Data.DataSet column.
3	Contains
4	
5	[C#] bool Contains(string sourceColumnName);
6	[C++] bool Contains(String* sourceColumnName);
7	[VB] Function Contains(ByVal sourceColumnName As String) As Boolean
8	[JScript] function Contains(sourceColumnName : String) : Boolean;
9	
10	Description
11	Gets a value indicating whether the
12	System.Data.Common.DataColumnMappingCollection contains a
13	System.Data.Common.DataColumnMapping with the specified source column
14	name.
15	Return Value: true if a System.Data.Common.DataColumnMapping with the
16	specified source column name exists, otherwise false. The case-sensitive name of
17	the source column.
18	GetByDataSetColumn
19	
20	[C#] IColumnMapping GetByDataSetColumn(string dataSetColumnName);
21	[C++] IColumnMapping* GetByDataSetColumn(String* dataSetColumnName);
22	[VB] Function GetByDataSetColumn(ByVal dataSetColumnName As String) As
23	IColumnMapping
24	[JScript] function GetByDataSetColumn(dataSetColumnName : String) :
25	IColumnMapping;

\boldsymbol{r}	esci	•	4: -	
,,,	ויזים	rın	IIO	
~	しいしょ	$\iota \nu$	$\iota\iota\iota\vee\iota$,

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets a reference to a System.Data.Common.DataColumnMapping using the name of the System.Data.DataSet column.

Return Value: A reference to a System. Data. Common. Data Column Mapping.

The name of the System.Data.DataSet column within the collection.

IndexOf

[C#] int IndexOf(string sourceColumnName);

[C++] int IndexOf(String* sourceColumnName);

[VB] Function IndexOf(ByVal sourceColumnName As String) As Integer

[JScript] function IndexOf(sourceColumnName : String) : int;

Description

Gets the location of the **System.Data.Common.DataColumnMapping** with the specified source column name.

Return Value: The location of the **System.Data.Common.DataColumnMapping** with the specified case-sensitive source column name. The case-sensitive name of the source column.

RemoveAt

[C#] void RemoveAt(string sourceColumnName);

[C++] void RemoveAt(String* sourceColumnName);

[VB] Sub RemoveAt(ByVal sourceColumnName As String)

 $[JScript]\ function\ Remove At (source Column Name: String);$

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Removes the **System.Data.Common.DataColumnMapping** object with the specified source column name from the collection. The case-sensitive source column name.

IDataAdapter interface (System.Data)

RemoveAt

Description

Allows an object to implement a DataAdapter, and represents a set of methods and mapping action-related properties used to fill and refresh a System.Data.DataSet and update a data source.

The System.Data.IDataAdapter interface allows an inheriting class to implement a DataAdapter class, which represents the bridge between a data source and a System.Data.DataSet. For more information about DataAdapter classes, see. For more information about implementing.NET data providers, see.

MissingMappingAction

RemoveAt

[C#] MissingMappingAction MissingMappingAction {get; set;}

 $[C++]\ Missing Mapping Action\ get_Missing Mapping Action (); void$

set MissingMappingAction(MissingMappingAction);

[VB] Property MissingMappingAction As MissingMappingAction

[JScript] abstract function get MissingMappingAction():

1	MissingMappingAction;public abstract function set
2	MissingMappingAction(MissingMappingAction);
3	
4	Description
5	Indicates or specifies whether unmapped source tables or columns are
6	passed with their source names in order to be filtered or to raise an error.
7	The System.Data.IDataAdapter.TableMappings property provides the
8	master mapping between the returned records and the System.Data.DataSet.
9	MissingSchemaAction
10	RemoveAt
11	·
12	[C#] MissingSchemaAction MissingSchemaAction {get; set;}
13	[C++] MissingSchemaAction get_MissingSchemaAction();void
14	set_MissingSchemaAction(MissingSchemaAction);
15	[VB] Property MissingSchemaAction As MissingSchemaAction
16	[JScript] abstract function get MissingSchemaAction():
17	MissingSchemaAction;public abstract function set
18	MissingSchemaAction(MissingSchemaAction);
19	
20	Description
21	Indicates or specifies whether missing source tables, columns, and their
22	relationships are added to the data set schema, ignored, or cause an error to be
23	raised.
24	TableMappings
25	RemoveAt

1	
2	[C#] ITableMappingCollection TableMappings {get;}
3	[C++] ITableMappingCollection* get_TableMappings();
4	[VB] ReadOnly Property TableMappings As ITableMappingCollection
5	[JScript] abstract function get TableMappings() : ITableMappingCollection;
6	
7	Description
8	Indicates how a source table is mapped to a data set table.
9	The System.Data.IDataAdapter uses only the mappings for the source table
10	named "Table". All SELECT, INSERT, DELETE, and UPDATE statements
11	returning data must do so using consistent column naming. The column names
12	returned in the records must be unique, otherwise columns with duplicate names
13	overwrite previous data. On
14	System.Data.IDataAdapter.Update(System.Data.DataSet), only the table mapped
15	to the source table named "Table" will have its changes reconciled.
16	Fill
17	
18	[C#] int Fill(DataSet dataSet);
19	[C++] int Fill(DataSet* dataSet);
20	[VB] Function Fill(ByVal dataSet As DataSet) As Integer
21	[JScript] function Fill(dataSet : DataSet) : int;
22	
23	Description
24	Adds or refreshes rows in the System.Data.DataSet to match those in the
25	data source using the System.Data.DataSet name, and creates a

1	System.Data.DataTable named "Table".
2	Return Value: The number of rows successfully added to or refreshed in the
3	System.Data.DataSet. This does not include rows affected by statements that do
4	not return rows.
5	System.Data.IDataAdapter.Fill(System.Data.DataSet) retrieves rows from
6	the data source using the SELECT statement specified by an associated
7	System.Data.IDbDataAdapter.SelectCommand property. The connection object
8	associated with the SELECT statement must be valid, but it does not need to be
9	open. If the connection is closed before
10	System.Data.IDataAdapter.Fill(System.Data.DataSet) is called, it is opened to
11	retrieve data, then closed. If the connection is open before
12	System.Data.IDataAdapter.Fill(System.Data.DataSet) is called, it remains open.
13	A System.Data.DataSet to fill with records and, if necessary, schema.
14	FillSchema
15	
16	[C#] DataTable[] FillSchema(DataSet dataSet, SchemaType schemaType);
17	[C++] DataTable* FillSchema(DataSet* dataSet, SchemaType schemaType) [];
18	[VB] Function FillSchema(ByVal dataSet As DataSet, ByVal schemaType As
19	SchemaType) As DataTable()
20	[JScript] function FillSchema(dataSet : DataSet, schemaType : SchemaType) :
21	DataTable[];
22	
23	Description
24	Adds a System.Data.DataTable named "Table" to the specified
25	System.Data.DataSet and configures the schema to match that in the data source



based on the specified System.Data.SchemaType.

Return Value: An array of **System.Data.DataTable** objects that contain schema information returned from the data source.

The

System.Data.IDataAdapter.FillSchema(System.Data.DataSet,System.Data.Sche maType) method retrieves the schema from the data source using the

System.Data.IDbDataAdapter.SelectCommand. The connection object associated with the System.Data.IDbDataAdapter.SelectCommand must be valid, but it does not need to be open. If the connection is closed before

System.Data.IDataAdapter.FillSchema(System.Data.DataSet,System.Data.Sche maType) is called, it is opened to retrieve data, then closed. If the connection is open before

System.Data.IDataAdapter.FillSchema(System.Data.DataSet,System.Data.SchemaType) is called, it remains open. The System.Data.DataSet to be filled with the schema from the data source. One of the System.Data.SchemaType values.

GetFillParameters

[C#] IDataParameter[] GetFillParameters();
[C++] IDataParameter* GetFillParameters() [];
[VB] Function GetFillParameters() As IDataParameter()
[JScript] function GetFillParameters(): IDataParameter[];

Description

Gets the parameters set by the user when executing an SQL SELECT statement.

Return Value: An array of **System.Data.IDataParameter** objects that contains the parameters set by the user.

Update

[C#] int Update(DataSet dataSet);

[C++] int Update(DataSet* dataSet);

[VB] Function Update(ByVal dataSet As DataSet) As Integer

[JScript] function Update(dataSet : DataSet) : int;

Description

Calls the respective INSERT, UPDATE, or DELETE statements for each inserted, updated, or deleted row in the specified System.Data.DataSet from a System.Data.DataTable named "Table".

Return Value: The number of rows successfully updated from the System.Data.DataSet.

When an application calls the

System.Data.IDataAdapter.Update(System.Data.DataSet) method, the

System.Data.IDataAdapter examines the System.Data.DataRow.RowState

property, and executes the required INSERT, UPDATE, or DELETE statements

based on the order of the indexes configured in the System.Data.DataSet. For

example, System.Data.IDataAdapter.Update(System.Data.DataSet) might execute

a DELETE statement, followed by an INSERT statement, and then another

DELETE statement, due to the ordering of the rows in the System.Data.DataTable

. An application can call the System.Data.DataSet.GetChanges method in

situations where you must control the sequence of statement types (for example,

INSERTs before UPDATEs). For more information, see . The

System.Data.DataSet used to update the data source.

IDataParameter interface (System.Data)

Update

Description

Represents a parameter to a Command object, and optionally, its mapping to System.Data.DataSet columns; and is implemented by .NET data providers that access data sources.

The **System.Data.IDataParameter** interface allows an inheriting class to implement a Parameter class, which represents a parameter to a Command object. For more information about Parameter classes, see . For more information about implementing .NET data providers, see .

DbType Update

[C#] DbType DbType {get; set;}
[C++] DbType get_DbType();void set_DbType(DbType);
[VB] Property DbType As DbType
[JScript] abstract function get DbType(): DbType;public abstract function set DbType(DbType);

Description

Gets or sets the System. Data. Db Type of the parameter.

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

The PrvDbType (where Prv represents the provider-specific prefix) and System.Data.SqlClient.SqlParameter.DbType are linked. Therefore, setting the System.Data.SqlClient.SqlParameter.DbType changes the PrvDbType to a supporting PrvDbType. Direction **Update** [C#] ParameterDirection Direction {get; set;} [C++] ParameterDirection get Direction(); void set Direction(ParameterDirection); [VB] Property Direction As ParameterDirection [JScript] abstract function get Direction(): ParameterDirection; public abstract function set Direction(ParameterDirection); Description Gets or sets a value indicating whether the parameter is input-only, outputonly, bidirectional, or a stored procedure return value parameter. If the System. Data. Parameter Direction is output, and execution of the associated System. Data. SqlClient. SqlCommand does not return a value, the System.Data.IDataParameter contains a null value. *IsNullable* **Update** [C#] bool IsNullable {get;}

[C++] bool get_IsNullable();

[VB] ReadOnly Property IsNullable As Boolean
[JScript] abstract function get IsNullable() : Boolean;
Description
Gets or sets a value indicating whether the parameter accepts null values.
Null values are handled using the System.DBNull class.
ParameterName
Update
[C#] string ParameterName {get; set;}
[C++] String* get_ParameterName();void set_ParameterName(String*);
[VB] Property ParameterName As String
[JScript] abstract function get ParameterName() : String; public abstract function
set ParameterName(String);
Description
Gets or sets the name of the System.Data.IDataParameter.
The System.Data.IDataParameter.ParameterName is specified in the form
@paramname. You must set System.Data.IDataParameter.ParameterName
before executing a command that relies on parameters.
SourceColumn
Update
·
[C#] string SourceColumn {get; set;}
[C++] String* get_SourceColumn();void set_SourceColumn(String*);

1	[VB] Property SourceColumn As String
2	[JScript] abstract function get SourceColumn() : String;public abstract function
3	set SourceColumn(String);
4	
5	Description
6	Gets or sets the name of the source column that is mapped to the
7	System.Data.DataSet and used for loading or returning the
8	System.Data.IDataParameter.Value .
9	The link betwen the value of the System.Data.IDataParameter and the
10	System.Data.DataTable may be bidirectional depending on the value of the
, 11	System.Data.IDataParameter.Direction property.
12	SourceVersion
13	Update
14	
15	[C#] DataRowVersion SourceVersion {get; set;}
16	[C++] DataRowVersion get_SourceVersion();void
17	set_SourceVersion(DataRowVersion);
18	[VB] Property SourceVersion As DataRowVersion
19	[JScript] abstract function get SourceVersion() : DataRowVersion;public abstract
20	function set SourceVersion(DataRowVersion);
21	
22	Description
23	Gets or sets the System.Data.DataRowVersion to use when loading
24	System.Data.IDataParameter.Value .
25	

This property is used by the 1 System.Data.IDbDataAdapter.UpdateCommand during the 2 System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) to 3 determine whether the original or current value is used for a parameter value. 4 This allows primary keys to be updated. This property is ignored by the 5 System.Data.IDbDataAdapter.InsertCommand and 6 System.Data.IDbDataAdapter.DeleteCommand. This property is set to the 7 version of the System.Data.DataRow used by the 8 System.Data.DataRow.Item(System.Int32) property, or the 9 System.Data.DataRow.GetChildRows(System.String) method of the 10 System.Data.DataRow object. 11 Value 12 **Update** 13 14 [C#] object Value {get; set;} 15 [C++] Object* get Value(); void set Value(Object*); 16 [VB] Property Value As Object 17 [JScript] abstract function get Value(): Object; public abstract function set 18 Value(Object); 19 20

Description

21

22

23

24

25

Gets or sets the value of the parameter.

For input parameters, the value is bound to the **System.Data.IDbCommand** that is sent to the server. For output and return value parameters, the value is set

on completion of the System.Data.IDbCommand and after the System.Data.IDataReader is closed.

IDataParameterCollection interface (System.Data)
Update

Description

2

3

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Collects all parameters relevant to a Command object and their mappings to **System.Data.DataSet** columns, and is implemented by .NET data providers that access data sources.

The System.Data.IDataParameterCollection interface allows an inheriting class to implement a Parameter collection. For more information about Parameter classes, see . For more information about implementing .NET data providers, see .

Item

Update

[C#] object this[string parameterName] {get; set;}

[C++] Object* get_Item(String* parameterName);void set_Item(String*

parameterName, Object*);

[VB] Default Property Item(ByVal parameterName As String) As Object

[JScript] abstract returnValue =

ID at a Parameter Collection Object. Item (parameter Name); ID at a Parameter Collecti

onObject.Item(parameterName) = returnValue;

lee@hayes ptc 509-324-9256

1	
2	Description
3	Gets the parameter at the specified index. The name of the parameter to
4	retrieve.
5	Contains
6	
7	[C#] bool Contains(string parameterName);
8	[C++] bool Contains(String* parameterName);
9	[VB] Function Contains(ByVal parameterName As String) As Boolean
10	[JScript] function Contains(parameterName : String) : Boolean;
11	
12	Description
13	Gets a value indicating whether a parameter in the collection has the
14	specified source table name.
15	Return Value: true if the collection contains the parameter; otherwise, false. The
16	name of the parameter.
17	IndexOf
18	
19	[C#] int IndexOf(string parameterName);
20	[C++] int IndexOf(String* parameterName);
21	[VB] Function IndexOf(ByVal parameterName As String) As Integer
22	[JScript] function IndexOf(parameterName : String) : int;
23	•
24	Description
25	

Gets the location of the System.Data.IDataParameter within the collection.

Return Value: The location of the System.Data.IDataParameter within the collection. The name of the parameter.

RemoveAt

[C#] void RemoveAt(string parameterName);

[C++] void RemoveAt(String* parameterName);

[VB] Sub RemoveAt(ByVal parameterName As String)

[JScript] function RemoveAt(parameterName: String);

Description

Removes the System.Data.IDataParameter from the collection. The name of the parameter.

IDataReader interface (System.Data)
RemoveAt

Description

Provides a means of reading one or more forward-only streams of result sets obtained by executing a command at a data source, and is implemented by .NET data providers that access relational databases.

The System.Data.IDataReader and System.Data.IDataRecord interfaces allow an inheriting class to implement a DataReader class, which provides a means of reading one or more forward-only streams of result sets. For more

1	information about DataReader classes, see . For more information about
2	implementing .NET data providers, see .
3	Depth
4	RemoveAt
5	
6	[C#] int Depth {get;}
7	[C++] int get_Depth();
8	[VB] ReadOnly Property Depth As Integer
9	[JScript] abstract function get Depth() : int;
10	
11	Description
12	Gets a value indicating the depth of nesting for the current row.
13	The outermost table has a depth of zero.
14	IsClosed
15	RemoveAt
16	
17	[C#] bool IsClosed {get;}
18	[C++] bool get_IsClosed();
19	[VB] ReadOnly Property IsClosed As Boolean
20	[JScript] abstract function get IsClosed(): Boolean;
21	
22	Description
23	Gets a value indicating whether the data reader is closed.
24	
25	

1	System.Data.IDataReader.IsClosed and
2	System.Data.IDataReader.RecordsAffected are the only properties that you can
3	call after the System.Data.IDataReader is closed.
4	RecordsAffected
5	RemoveAt
6	
7	[C#] int RecordsAffected {get;}
8	[C++] int get_RecordsAffected();
9	[VB] ReadOnly Property RecordsAffected As Integer
10	[JScript] abstract function get RecordsAffected(): int;
11	
12	Description
13	Gets the number of rows changed, inserted, or deleted by execution of the
14	SQL statement.
15	The System.Data.IDataReader.RecordsAffected property is not set until all
16	rows are read and you close the System.Data.IDataReader .
17	Close
18	
19	[C#] void Close();
20	[C++] void Close();
21	[VB] Sub Close()
22	[JScript] function Close();
23	
24	Description
25	Closes the System.Data.IDataReader Object.

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

You must explicitly call the System. Data. IDataReader. Close method when you are through using the System. Data. IDataReader to use the associated System. Data. IDb Connection for any other purpose. GetSchemaTable [C#] DataTable GetSchemaTable(); [C++] DataTable* GetSchemaTable(); [VB] Function GetSchemaTable() As DataTable [JScript] function GetSchemaTable() : DataTable; Description Returns a System. Data. Data Table that describes the column metadata of the System.Data.IDataReader. Return Value: A System. Data. Data Table that describes the column metadata. The implementation of System. Data. IDataReader. GetSchema Table method for the OLE DB .NET Data Provider maps to the OLE DB IColumnsRowset::GetColumnsRowset method, while the implementation for the SQL Server .NET Data Provider does not use an OLE DB provider layer. NextResult [C#] bool NextResult(); [C++] bool NextResult(); [VB] Function NextResult() As Boolean [JScript] function NextResult(): Boolean;

1	
2	Description
3	Advances the data reader to the next result, when reading the results of
4	batch SQL statements.
5	Return Value: true if there are more rows; otherwise, false .
6	Used to process multiple results, which can be obtained by executing batch
7	SQL statements.
8	Read
9	
10	[C#] bool Read();
11	[C++] bool Read();
12	[VB] Function Read() As Boolean
13	[JScript] function Read(): Boolean;
14	
15	Description
16	Advances the System.Data.IDataReader to the next record.
17	Return Value: true if there are more rows; otherwise, false .
18	The default position of the System.Data.IDataReader is prior to the first
19	record. Therefore you must call System.Data.IDataReader.Read to begin
20	accessing any data.
21	IDataRecord interface (System.Data)
22	Read
23	
24	
25	Description

Provides access to the column values within each row for a DataReader, and is implemented by .NET data providers that access relational databases.

The System.Data.IDataReader and System.Data.IDataRecord interfaces allow an inheriting class to implement a DataReader class, which provides a means of reading one or more forward-only streams of result sets. For more information about DataReader classes, see . For more information about implementing .NET data providers, see .

FieldCount

Read

```
[C#] int FieldCount {get;}
[C++] int get_FieldCount();
[VB] ReadOnly Property FieldCount As Integer
[JScript] abstract function get FieldCount(): int;
```

Description

Gets the number of columns in the current row.

After executing a query that does not return rows (for example, using the

System.Data.IDbCommand.ExecuteNonQuery method),

System.Data.IDataRecord.FieldCount returns -1.

Item

Read

[C#] object this[string name] {get;}

[C++] Object* get_Item(String* name);



[VB] Default ReadOnly Property Item(ByVal name As String) As Object [JScript] abstract returnValue = IDataRecordObject.Item(name); 2 3 Description Gets the column with the specified name. The name of the column to find. 5 Item 6 Read 7 8 [C#] object this[int i] {get;} 9 [C++] Object* get Item(int i); 10 [VB] Default ReadOnly Property Item(ByVal i As Integer) As Object 11 [JScript] abstract returnValue = IDataRecordObject.Item(i); Gets the specified 12 column. 13 14 Description 15 Gets the column located at the specified index. The index of the column to 16 get. 17 *GetBoolean* 18 19 [C#] bool GetBoolean(int i); 20 [C++] bool GetBoolean(int i); 21 [VB] Function GetBoolean(ByVal i As Integer) As Boolean 22 [JScript] function GetBoolean(i:int): Boolean; 23 24 Description

Gets the boolean value of the specified column. 1 Return Value: The value of the column. 2 No conversions are performed, therefore the data retrieved must already be 3 a boolean or an exception is generated. The index of the field to find. 4 **GetByte** 5 6 [C#] byte GetByte(int i); 7 [C++] unsigned char GetByte(int i); 8 [VB] Function GetByte(ByVal i As Integer) As Byte 9 [JScript] function GetByte(i:int): Byte; 10 11 Description 12 Gets the 8-bit unsigned integer value of the specified field. 13 Return Value: The 8-bit unsigned integer value of the specified field. The index of 14 the field to find. 15 **GetBytes** 16 17 [C#] long GetBytes(int i, long fieldOffset, byte[] buffer, int bufferoffset, int 18 length); 19 [C++] int64 GetBytes(int i, int64 fieldOffset, unsigned char buffer gc[], int 20 bufferoffset, int length); 21 [VB] Function GetBytes(ByVal i As Integer, ByVal fieldOffset As Long, ByVal 22 buffer() As Byte, ByVal bufferoffset As Integer, ByVal length As Integer) As Long 23 [JScript] function GetBytes(i:int, fieldOffset:long, buffer:Byte[], bufferoffset: 24 int, length: int): long; 25

Description

Reads a stream of bytes from the field offset in the specified field into the buffer starting at the given buffer offset.

Return Value: The actual number of bytes read.

The actual number of bytes read can be less than the requested length, if the end of the row is reached. If you pass a buffer that is **null**,

System.Data.IDataRecord.GetBytes(System.Int32,System.Int64,System.Byte[],System.Int32,System.Int32,System.Int32) returns the length of the row in bytes. The zero-based column ordinal. The index within the field rom which to begin the read operation. The buffer into which to read the stream of bytes. The index for buffer to begin the read operation. The number of bytes to read.

GetChar

```
[C#] char GetChar(int i);

[C++] __wchar_t GetChar(int i);

[VB] Function GetChar(ByVal i As Integer) As Char

[JScript] function GetChar(i:int): Char;
```

Description

Gets the character value of the specified field.

Return Value: The character value of the specified field. The index of the field to find.

GetChars

[C#] long GetChars(int i, long fieldoffset, char[] buffer, int bufferoffset, int length);
[C++] __int64 GetChars(int i, __int64 fieldoffset, __wchar_t buffer __gc[], int bufferoffset, int length);
[VB] Function GetChars(ByVal i As Integer, ByVal fieldoffset As Long, ByVal buffer() As Char, ByVal bufferoffset As Integer, ByVal length As Integer) As Long
[JScript] function GetChars(i: int, fieldoffset: long, buffer: Char[], bufferoffset: int, length: int): long;

Description

Reads a stream of characters from the field offset in the specified field into the buffer starting at the given buffer offset.

Return Value: The actual number of characters read.

The actual number of characters read can be less than the requested length, if the end of the field is reached. If you pass a buffer that is null, System.Data.IDataRecord.GetChars(System.Int32,System.Int64,System.Char[],System.Int32,System.Int32,System.Int32) returns the length of the field in characters. The zero-based column ordinal. The index within the row from which to begin the read operation. The buffer into which to read the stream of bytes. The index for buffer to begin the read operation. The number of bytes to read.

GetData

[C#] IDataReader GetData(int i); [C++] IDataReader* GetData(int i);

24

25

GetDateTime

[VB] Function GetData(ByVal i As Integer) As IDataReader [JScript] function GetData(i : int) : IDataReader; 2 3 Description 4 Gets an System. Data. IDataReader to be used when the field points to more 5 remote structured data. 6 Return Value: An System. Data. IDataReader to be used when the field points to 7 more remote structured data. The index of the field to find. 8 *GetDataTypeName* 9 10 [C#] string GetDataTypeName(int i); 11 [C++] String* GetDataTypeName(int i); 12 [VB] Function GetDataTypeName(ByVal i As Integer) As String 13 [JScript] function GetDataTypeName(i:int): String; 14 15 Description 16 Gets the data type information for the specified field. 17 Return Value: The data type information for the specified field. 18 The data type information can differ from the type information returned by 19 GetFieldType, especially where the underlying data types do not map one for one 20 to the runtime types supported by the language. (e.g. DataTypeName may be 21 "integer", while Type.Name may be "Int32".) Returns the data type information for 22 the specified field. The index of the field to find.

372 MS1-864US.APP lee⊗hayes ptc

I	
1	
2	[C#] DateTime GetDateTime(int i);
3	[C++] DateTime GetDateTime(int i);
4	[VB] Function GetDateTime(ByVal i As Integer) As DateTime
5	[JScript] function GetDateTime(i : int) : DateTime;
6	·
7	Description
8	Gets the date and time data value of the spcified field.
9	Return Value: The date and time data value of the spcified field. The index of the
10	field to find.
11	GetDecimal
12	
13	[C#] decimal GetDecimal(int i);
14	[C++] Decimal GetDecimal(int i);
15	[VB] Function GetDecimal(ByVal i As Integer) As Decimal
16	[JScript] function GetDecimal(i : int) : Decimal;
17	
18	Description
19	Gets the fixed-position numeric value of the specified field.
20	Return Value: The fixed-position numeric value of the specified field. The index of
21	the field to find.
22	GetDouble
23	
24	[C#] double GetDouble(int i);
25	[C++] double GetDouble(int i):

1	[VB] Function GetDouble(ByVal i As Integer) As Double
2	[JScript] function GetDouble(i : int) : double;
3	·
4	Description
5	Gets the double-precision floating point number of the specified field.
6	Return Value: The double-precision floating point number of the specified field.
7	The index of the field to find.
8	GetFieldType
9	
10	[C#] Type GetFieldType(int i);
11	[C++] Type* GetFieldType(int i);
12	[VB] Function GetFieldType(ByVal i As Integer) As Type
13	[JScript] function GetFieldType(i : int) : Type;
14	
15	Description
16	Gets the System. Type information corresponding to the type of
17	System.Object that would be returned from
18	System.Data.IDataRecord.GetValue(System.Int32) .
19	Return Value: The System. Type information corresponding to the type of
20	System.Object that would be returned from
21	System.Data.IDataRecord.GetValue(System.Int32) .
22	This information can be used to increase performance by indicating the
23	strongly-typed accessor to call. (e.g. using GetInt32 is roughly ten times faster
24	than using GetValue.) Returns the System. Type information corresponding to the

1	type of System.Object that would be returned from
2	System.Data.IDataRecord.GetValue(System.Int32) . The index of the field to find.
3	GetFloat
4	
5	[C#] float GetFloat(int i);
6	[C++] float GetFloat(int i);
7	[VB] Function GetFloat(ByVal i As Integer) As Single
8	[JScript] function GetFloat(i:int): float;
9	
10	Description
11	Gets the single-precision floating point number of the specified field.
12	Return Value: The single-precision floating point number of the specified field.
13	The index of the field to find.
14	GetGuid
15	
16	[C#] Guid GetGuid(int i);
17	[C++] Guid GetGuid(int i);
18	[VB] Function GetGuid(ByVal i As Integer) As Guid
19	[JScript] function GetGuid(i : int) : Guid;
20	
21	Description
22	Returns the guid value of the specified field.
23	Return Value: The guid value of the specified field. The index of the field to find.
24	GetInt16
25	

```
[C#] short GetInt16(int i);
     [C++] short GetInt16(int i);
 3
    [VB] Function GetInt16(ByVal i As Integer) As Short
    [JScript] function GetInt16(i:int): Int16;
 5
 6
     Description
 7
            Gets the 16-bit signed integer value of the specified field.
 8
     Return Value: The 16-bit signed integer value of the specified field. The index of
 9
    the field to find.
10
            GetInt32
11
12
    [C#] int GetInt32(int i);
13
    [C++] int GetInt32(int i);
14
    [VB] Function GetInt32(ByVal i As Integer) As Integer
15
    [JScript] function GetInt32(i:int):int;
16
17
     Description
18
            Gets the 32-bit signed integer value of the specified field.
19
    Return Value: The 32-bit signed integer value of the specified field. The index of
20
    the field to find.
21
            GetInt64
22
23
     [C#] long GetInt64(int i);
24
     [C++] __int64 GetInt64(int i);
```

1	[VB] Function GetInt64(ByVal i As Integer) As Long
2	[JScript] function GetInt64(i:int):long;
3	
4	Description
5	Gets the 64-bit signed integer value of the specified field.
6	Return Value: The 64-bit signed integer value of the specified field. The index of
7	the field to find.
8	GetName
9	
10	[C#] string GetName(int i);
11	[C++] String* GetName(int i);
12	[VB] Function GetName(ByVal i As Integer) As String
13	[JScript] function GetName(i : int) : String;
14	
15	Description
16	Gets the name for the field to find.
17	Return Value: The name of the field or the empty string (""), if there is no value to
18	return. The index of the field to find.
19	GetOrdinal
20	
21	[C#] int GetOrdinal(string name);
22	[C++] int GetOrdinal(String* name);
23	[VB] Function GetOrdinal(ByVal name As String) As Integer
24	[JScript] function GetOrdinal(name : String) : int;
25	

1	
1	
2	Description
3	Return the index of the named field.
4	Return Value: The index of the named field. The name of the field to find.
5	GetString
6	
7	[C#] string GetString(int i);
8	[C++] String* GetString(int i);
9	[VB] Function GetString(ByVal i As Integer) As String
10	[JScript] function GetString(i: int): String;
11	
12	Description
13	Gets the string value of the specified field.
14	Return Value: The string value of the specified field. The index of the field to find.
15	GetValue
16	
17	[C#] object GetValue(int i);
18	[C++] Object* GetValue(int i);
19	[VB] Function GetValue(ByVal i As Integer) As Object
20	[JScript] function GetValue(i : int) : Object;
21	
22	Description
23	Return the value of the specified field.
24	Return Value: The System.Object which will contain the field value upon return.
25	The index of the field to find.
- 1	

CatValues

1	GetValues
2	
3	[C#] int GetValues(object[] values);
4	[C++] int GetValues(Object* valuesgc[]);
5	[VB] Function GetValues(ByVal values() As Object) As Integer
6	[JScript] function GetValues(values : Object[]) : int;
7	
8	Description
9	Gets all the attribute fields in the collection for the current record.
10	Return Value: The number of instances of System.Object in the array.
11	For most applications, the
12	System.Data.IDataRecord.GetValues(System.Object[]) method provides an
13	efficient means for retrieving all columns, rather than retrieving each column
14	individually. An array of System. Object to copy the attribute fields into.
15	IsDBNull
16	
17	[C#] bool IsDBNull(int i);
18	[C++] bool IsDBNull(int i);
10	[VR] Function IsDRNull(RvVal i As Integer) As Roolean

[VB] Function IsDBNull(ByVal i As Integer) As Boolean

[JScript] function IsDBNull(i:int): Boolean;

Description

20

21

22

23

Return whether the specified field is set to null.

Return Value: true if the specified field is set to null, otherwise false . The index of the field to find.

IDbCommand interface (System.Data)
IsDBNull

Description

Represents a SQL statement that is executed while connected to a data source, and is implemented by .NET data providers that access relational databases.

The System.Data.IDbCommand interface allows an inheriting class to implement a Command class, which represents a SQL statement that is executed at a data source. For more information about Command classes, see . For more information about implementing .NET data providers, see .

CommandText

IsDBNull

[C#] string CommandText {get; set;}

[C++] String* get CommandText(); void set CommandText(String*);

[VB] Property CommandText As String

[JScript] abstract function get CommandText(): String; public abstract function set CommandText(String);

Description

Gets or sets the text command to run against the data source.

When the System.Data.IDbCommand.CommandType property is set to
StoredProcedure, set the System.Data.IDbCommand.CommandText property to

ιŪ
١Ď
IJ
M
M
: :
4
j=
⊨

11	
1	the name of the stored procedure. The command will call this stored procedure
2	when you call one of the Execute methods.
3	CommandTimeout
4	IsDBNull
5	
6	[C#] int CommandTimeout {get; set;}
7	[C++] int get_CommandTimeout();void set_CommandTimeout(int);
8	[VB] Property CommandTimeout As Integer
9	[JScript] abstract function get CommandTimeout(): int;public abstract function
10	set CommandTimeout(int);
11	
12	Description
13	Gets or sets the wait time before terminating the attempt to execute a
14	command and generating an error.
15	CommandType
16	IsDBNull
17	
18	[C#] CommandType CommandType {get; set;}
19	[C++] CommandType get_CommandType();void
20	set_CommandType(CommandType);
21	[VB] Property CommandType As CommandType
22	[JScript] abstract function get CommandType() : CommandType;public abstract
23	function set CommandType(CommandType);
24	
25	Description
• •	•

Indicates or specifies how the **System.Data.IDbCommand.CommandText** property is interpreted.

When you set the System.Data.IDbCommand.CommandType property to StoredProcedure, you should set the System.Data.IDbCommand.CommandText property to the name of the stored procedure. The command executes this stored procedure when you call one of the Execute methods.

Connection

IsDBNull

```
[C#] IDbConnection Connection {get; set;}

[C++] IDbConnection* get_Connection();void set_Connection(IDbConnection*);

[VB] Property Connection As IDbConnection

[JScript] abstract function get Connection(): IDbConnection;public abstract function set Connection(IDbConnection);
```

Description

Gets or sets the **System.Data.IDbConnection** used by this instance of the **System.Data.IDbCommand**.

Parameters

IsDBNull

[C#] IDataParameterCollection Parameters {get;}
[C++] IDataParameterCollection* get_Parameters();
[VB] ReadOnly Property Parameters As IDataParameterCollection

[JScript] abstract function get Parameters(): IDataParameterCollection;

1	
2	Description
3	Gets the System.Data.IDataParameterCollection.
4	Transaction
5	IsDBNull
6	
7	[C#] IDbTransaction Transaction {get; set;}
8	[C++] IDbTransaction* get_Transaction();void
9	set_Transaction(IDbTransaction*);
10	[VB] Property Transaction As IDbTransaction
11	[JScript] abstract function get Transaction() : IDbTransaction;public abstract
12	function set Transaction(IDbTransaction);
13	
14	Description
15	Gets or sets the transaction in which the Command object of an ADO .NET
16	data provider executes.
17	UpdatedRowSource
18	IsDBNull
19	
20	[C#] UpdateRowSource UpdatedRowSource {get; set;}
21	[C++] UpdateRowSource get_UpdatedRowSource();void
22	set_UpdatedRowSource(UpdateRowSource);
23	[VB] Property UpdatedRowSource As UpdateRowSource
24	[JScript] abstract function get UpdatedRowSource() : UpdateRowSource;public
25	abstract function set UpdatedRowSource(UpdateRowSource);

1	1
1	
2	Description
3	Gets or sets how command results are applied to the
4	System.Data.DataRow when used by the
5	System.Data.IDataAdapter.Update(System.Data.DataSet) method of a
6	System.Data.Common.DbDataAdapter
7	Cancel
8	
9	[C#] void Cancel();
10	[C++] void Cancel();
11	[VB] Sub Cancel()
12	[JScript] function Cancel();
. 13	
14	Description
15	Cancels the execution of an System.Data.IDbCommand.
16	CreateParameter
17	
18	[C#] IDbDataParameter CreateParameter();
19	[C++] IDbDataParameter* CreateParameter();
20	[VB] Function CreateParameter() As IDbDataParameter
21	[JScript] function CreateParameter() : IDbDataParameter;
22	
23	Description
24	Creates a new instance of an ADO .NET Parameter object.
25	Return Value: An ADO NET Parameter object

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

When inheriting from System. Data. IDb Command, an ADO. NET data provider implements a strongly-typed version of System.Data.IDbCommand.CreateParameter. ExecuteNonQuery 1997 [C#] int ExecuteNonQuery(); [C++] int ExecuteNonQuery(); [VB] Function ExecuteNonQuery() As Integer [JScript] function ExecuteNonQuery(): int; Description Executes a SQL statement against the Connection object of an ADO .NET data provider, and returns the number of rows affected. Return Value: The number of rows affected. You can use the System. Data. IDbCommand. ExecuteNonQuery to perform catalog operations (for example, querying the structure of a database or creating database objects such as tables), or to change the data in a database without using a System. Data. Data Set by executing UPDATE, INSERT, or DELETE statements. ExecuteReader

[C#] IDataReader ExecuteReader();

[C++] IDataReader* ExecuteReader();

[VB] Function ExecuteReader() As IDataReader

[JScript] function ExecuteReader(): IDataReader; Executes the

1	System.Data.IDbCommand.CommandText against the
2	System.Data.IDbCommand.Connection and builds an System.Data.IDataReade
3	
4	
5	Description
6	Executes the System.Data.IDbCommand.CommandText against the
7	System.Data.IDbCommand.Connection and builds an System.Data.IDataReade.
8	•
9	Return Value: An System.Data.IDataReader object.
10	ExecuteReader
11	
12	[C#] IDataReader ExecuteReader(CommandBehavior behavior);
13	[C++] IDataReader* ExecuteReader(CommandBehavior behavior);
14	[VB] Function ExecuteReader(ByVal behavior As CommandBehavior) As
15	IDataReader
16	[JScript] function ExecuteReader(behavior : CommandBehavior) : IDataReader;
17	
18	Description
19	Executes the System.Data.IDbCommand.CommandText against the
20	System.Data.IDbCommand.Connection, and builds an
21	System.Data.IDataReader using one of the System.Data.CommandBehavior
22	values.
23	Return Value: An System.Data.IDataReader object.
24	
25	

The caller must call the System.Data.IDbConnection.Open method of the System.Data.IDbCommand.Connection property. One of the System.Data.CommandBehaviorvalues.

ExecuteScalar

[C#] object ExecuteScalar();
[C++] Object* ExecuteScalar();
[VB] Function ExecuteScalar() As Object
[JScript] function ExecuteScalar() : Object;

Description

Executes the query, and returns the first column of the first row in the resultset returned by the query. Extra columns or rows are ignored.

Return Value: The first column of the first row in the resultset.

Use the System.Data.IDbCommand.ExecuteScalar method to retrieve a single value (for example, an aggregate value) from a database. This requires less code than using the System.Data.IDbCommand.ExecuteReader method, and then performing the operations necessary to generate the single value using the data returned by an System.Data.IDbDataReader.

Prepare

[C#] void Prepare();
[C++] void Prepare();
[VB] Sub Prepare()
[JScript] function Prepare();

Description

Creates a prepared (or compiled) version of the command on the data source.

If the System.Data.IDbCommand.CommandType property is set to

TableDirect, System.Data.IDbCommand.Prepare does nothing. If

System.Data.IDbCommand.CommandType is set to StoredProcedure, the call to

System.Data.IDbCommand.Prepare should succeed, although it may result in a

no-op.

IDbConnection interface (System.Data)

Prepare

Description

Represents an open connection to a data source, and is implemented by .NET data providers that access relational databases.

The System.Data.IDbConnection interface allows an inheriting class to implement a Connection class, which represents a unique session with a data source (for example, a network connection to a server). For more information about Connection classes, see . For more information about implementing .NET data providers, see .

ConnectionString

Prepare

[C#] string ConnectionString {get; set;}

1	[C++] String* get_ConnectionString();void set_ConnectionString(String*);
2	[VB] Property ConnectionString As String
3	[JScript] abstract function get ConnectionString() : String;public abstract
4	function set ConnectionString(String);
5	
6	Description
7	Gets or sets the string used to open a database.
8	The string can only be set when the connection state is closed.
9	ConnectionTimeout
10	Prepare
11	
12	[C#] int ConnectionTimeout {get;}
13	[C++] int get_ConnectionTimeout();
14	[VB] ReadOnly Property ConnectionTimeout As Integer
15	[JScript] abstract function get ConnectionTimeout(): int;
16	
17	Description
18	Gets the time to wait while trying to establish a connection before
19	terminating the attempt and generating an error.
20	A value of 0 indicates no limit, and should be avoided in a
21	System.Data.IDbConnection.ConnectionString because an attempt to connect
22	will wait indefinitely.
23	Database
24	Prepare
25	

.1	
ָ <u></u>	[C#] string Database {get;}
2	[C++] String* get_Database();
3	
4	[VB] ReadOnly Property Database As String
5	[JScript] abstract function get Database() : String;
6	
7	Description
8	Gets the name of the current database or the database to be used once a
9	connection is open.
10	The System.Data.OleDb.OleDbConnection.Database property updates
11	dynamically. If you change the current database using a SQL statement or the
12	System.Data.OleDb.OleDbConnection.ChangeDatabase(System.String) method
13	an informational message is sent and the property is updated automatically.
14	State
15	Prepare
16	
17	[C#] ConnectionState State {get;}
18	[C++] ConnectionState get_State();
19	[VB] ReadOnly Property State As ConnectionState
20	[JScript] abstract function get State() : ConnectionState;
21	
22	Description
23	Gets the current state of the connection.
24	System.Data.ConnectionState values may be OR'ed together.
25	BeginTransaction

1 [C#] IDbTransaction BeginTransaction(); 2 [C++] IDbTransaction* BeginTransaction(); 3 [VB] Function BeginTransaction() As IDbTransaction [JScript] function BeginTransaction(): IDbTransaction; Begins a database 5 transaction. 7 Description 8 Begins a database transaction. You must explicity commit or roll back the transaction using the 10 System.Data.IDbTransaction.Commit or System.Data.IDbTransaction.Rollback 11 method. To ensure that the SQL Server .NET Data Provider transaction 12 management model performs correctly, avoid using other transaction management 13 models, such as the one provided by SQL Server. 14 **BeginTransaction** 15 16 [C#] IDbTransaction BeginTransaction(IsolationLevel il); 17 [C++] IDbTransaction* BeginTransaction(IsolationLevel il); 18 [VB] Function BeginTransaction(ByVal il As IsolationLevel) As IDbTransaction 19 [JScript] function BeginTransaction(il: IsolationLevel): IDbTransaction; 20 21 Description 22 Begins a database transaction with the specified isolation level. 23

Return Value: An object representing the new transaction.

24

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

You must explicity commit or roll back the transaction using the System.Data.IDbTransaction.Commit or System.Data.IDbTransaction.Rollback method. To ensure that the SQL Server .NET Data Provider transaction management model performs correctly, avoid using other transaction management models, such as the one provided by SQL Server. The isolation level under which the transaction should run. ChangeDatabase [C#] void ChangeDatabase(string databaseName); [C++] void ChangeDatabase(String* databaseName); [VB] Sub ChangeDatabase(ByVal databaseName As String) [JScript] function ChangeDatabase(databaseName : String); Description Changes the current database for an open System. Data. IDb Connection. The database name. Close [C#] void Close(); [C++] void Close(); [VB] Sub Close() [JScript] function Close(); Description

Closes the connection to the database.

The System. Data. SqlClient. SqlConnection. Close method rolls back any pending transactions. It then releases the connection to the connection pool, or 2 closes the connection if connection pooling is disabled. 3 **CreateCommand** 5 [C#] IDbCommand CreateCommand(); 6 [C++] IDbCommand* CreateCommand(); 7 [VB] Function CreateCommand() As IDbCommand 8 [JScript] function CreateCommand(): IDbCommand; 9 10 Description 11 Creates and returns an System. Data. IDb Command object associated with 12 the System. Data. IDb Connection. 13 Open 14 15 [C#] void Open(); 16 [C++] void Open(); 17 [VB] Sub Open() 18 [JScript] function Open(); 19 20 Description 21 Opens a database connection with the property settings specified by the 22 System.Data.IDbConnection.ConnectionString. 23 When overridding System. Data. Ole Db. Ole Db Connection. Open in a 24

derived class, opens a connection to the data source.

IDbDataAdapter interface (System.Data)
Open

Description

Represents a set of command-related properties that are used to fill the System.Data.DataSet and update a data source, and is implemented by .NET data providers that access relational databases.

The System.Data.IDbDataAdapter interface inherits from the

System.Data.IDataAdapter interface and allows an object to create a

DataAdapter designed for use with a relational database. The

System.Data.IDbDataAdapter interface and, optionally, the utility class,

System.Data.Common.DbDataAdapter, allow an inheriting class to implement a

DataAdapter class, which represents the bridge between a data source and a

System.Data.DataSet. For more information about DataAdapter classes, see.

For more information about implementing .NET data providers, see.

DeleteCommand

Open

[C#] IDbCommand DeleteCommand {get; set;}

 $[C++] \ IDbCommand* get_DeleteCommand(); void$

set_DeleteCommand(IDbCommand*);

[VB] Property DeleteCommand As IDbCommand

[JScript] abstract function get DeleteCommand() : IDbCommand; public abstract

function set DeleteCommand(IDbCommand);

1	
· 2	Description
3	Gets or sets an SQL statement for deleting records from the data set.
4	During
5	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), if this
6	property is not set and primary key information is present in the
7	System.Data.DataSet, the System.Data.IDbDataAdapter.DeleteCommand can be
8	generated automatically if you set the SelectCommand property of a .NET data
9	provider. Then, any additional SQL statements that you do not set are generated
10	by the CommandBuilder. This generation logic requires key column information to
11	be present in the System.Data.DataSet . For more information see .
12	InsertCommand
13	Open
14	
15	[C#] IDbCommand InsertCommand {get; set;}
16	[C++] IDbCommand* get_InsertCommand();void
17	set_InsertCommand(IDbCommand*);
18	[VB] Property InsertCommand As IDbCommand
19	[JScript] abstract function get InsertCommand() : IDbCommand;public abstract
20	function set InsertCommand(IDbCommand);
21	
22	Description
23	Gets or sets an SQL statement used to insert new records into the data
24	source.
25	

During

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), if this property is not set and primary key information is present in the System.Data.DataSet, the System.Data.IDbDataAdapter.InsertCommand can be generated automatically if you set the SelectCommand property of a .NET data provider. Then, any additional SQL statements that you do not set are generated by the CommandBuilder. This generation logic requires key column information to be present in the System.Data.DataSet. For more information see.

SelectCommand

Open

[C#] IDbCommand SelectCommand {get; set;}

[C++] IDbCommand* get_SelectCommand();void

set_SelectCommand(IDbCommand*);

[VB] Property SelectCommand As IDbCommand

[JScript] abstract function get SelectCommand(): IDbCommand; public abstract function set SelectCommand(IDbCommand);

Description

Gets or sets an SQL statement used to select records in the data source.

When System.Data.IDbDataAdapter.SelectCommand is assigned to a previously created System.Data.IDbCommand, the System.Data.IDbCommand is not cloned. The System.Data.IDbDataAdapter.SelectCommand maintains a reference to the previously created System.Data.IDbCommand object.

UpdateCommand

1	Open
2	
3	[C#] IDbCommand UpdateCommand {get; set;}
4	[C++] IDbCommand* get_UpdateCommand();void
5	set_UpdateCommand(IDbCommand*);
6	[VB] Property UpdateCommand As IDbCommand
. 7	[JScript] abstract function get UpdateCommand() : IDbCommand;public abstract
8	function set UpdateCommand(IDbCommand);
9	
10	Description
11	Gets or sets an SQL statement used to update records in the data source.
12	During
13	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), if this
14	property is not set and primary key information is present in the
15	System.Data.DataSet, the System.Data.IDbDataAdapter.UpdateCommand can
16	be generated automatically if you set the SelectCommand property of a .NET data
17	provider. Then, any additional SQL statements that you do not set are generated
18	by the CommandBuilder. This generation logic requires key column information to
19	be present in the System.Data.DataSet . For more information see .
20	IDbDataParameter interface (System.Data)
21	Open
22	Precision
23	Open
24	Scale

Open

1	Size
2	Open
3	IDbTransaction interface (System.Data)
4	Open
5	
6	•
7	Description
8	Represents a transaction to be performed at a data source, and is
9	implemented by .NET data providers that access relational databases.
10	The System.Data.IDbTransaction interface allows an inheriting class to
11	implement a Transaction class, which represents the transaction to be performed
12	at a data source. For more information about Transaction classes, see . For more
13	information about implementing .NET data providers, see .
14	Connection
15	Open
16	
17	[C#] IDbConnection Connection {get;}
18	[C++] IDbConnection* get_Connection();
19	[VB] ReadOnly Property Connection As IDbConnection
20	[JScript] abstract function get Connection(): IDbConnection;
21	
22	Description
23	
24	IsolationLevel
25	Open

```
[C#] IsolationLevel IsolationLevel {get;}
2
    [C++] IsolationLevel get_IsolationLevel();
3
    [VB] ReadOnly Property IsolationLevel As IsolationLevel
    [JScript] abstract function get IsolationLevel(): IsolationLevel;
5
6
    Description
7
           Specifies the System. Data. Isolation Level for this transaction.
8
           Parallel transactions are not supported. Therefore, the
9
    System. Data. Isolation Level applies to the entire transaction.
10
           Commit
11
12
    [C#] void Commit();
13
    [C++] void Commit();
14
    [VB] Sub Commit()
15
    [JScript] function Commit();
16
17
    Description
18
           Commits the database transaction.
19
           Rollback
20
21
    [C#] void Rollback();
22
    [C++] void Rollback();
23
    [VB] Sub Rollback()
24
    [JScript] function Rollback();
```

1	·
2	Description
3	Rolls back a transaction from a pending state.
4	The transaction can only be rolled back from a pending state (after
5	System.Data.IDbConnection.BeginTransaction has been called, but before
6	System.Data.IDbTransaction.Commit is called).
7	InRowChangingEventException class (System.Data)
. 8	Rollback
9	
10	
11	Description
12	Represents the exception that is thrown when when calling the
13	System.Data.DataRow.EndEdit method within the
14	System.Data.DataTable.RowChanging event.
15	InRowChangingEventException
16	Example Syntax:
17	Rollback
18	
19	[C#] public InRowChangingEventException();
20	[C++] public: InRowChangingEventException();
21	[VB] Public Sub New()
22	[JScript] public function InRowChangingEventException();
23	
24	Description
25	

1	Initializes a new instance of the
2	System.Data.InRowChangingEventException class.
3	InRowChangingEventException
4	Example Syntax:
5	Rollback
6	
7	[C#] public InRowChangingEventException(string s);
8	[C++] public: InRowChangingEventException(String*s);
9	[VB] Public Sub New(ByVal s As String)
10	[JScript] public function InRowChangingEventException(s : String);
11	
12	Description
13	Initializes a new instance of the
14	System.Data.InRowChangingEventException class with the specified string. The
15	string to display when the exception is thrown.
16	InRowChangingEventException
17	Example Syntax:
18	Rollback
19	
20	[C#] public InRowChangingEventException(SerializationInfo info,
21	StreamingContext context);
22	[C++] public: InRowChangingEventException(SerializationInfo* info,
23	StreamingContext context);
24	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
25	StreamingContext)

[JScript] public function InRowChangingEventException(info: SerializationInfo, context: StreamingContext); Initializes a new instance of the 2 System.Data.InRowChangingEventException class. 3 4 Description 5 Initializes a new instance of the 6 System.Data.InRowChangingEventException class with serialization 7 information. The data necessary to serialize or deserialize an object. Description 8 of the source and destination of the specified serialized stream. 9 HelpLink 10 HResult 11 *InnerException* 12 Message 13 Source 14 StackTrace 5 1 2 1 15 **TargetSite** 16 InternalDataCollectionBase class (System.Data) 17 **ToString** 18 19 20 Description 21 Provides the base functionality for creating collections. 22 The System.BaseCollection class and its members are not intended for use 23

as a stand alone component, but as the class from which other collection classes

derive standard functionality.

24

1	InternalDataCollectionBase
2	Example Syntax:
3	ToString
4	
5	[C#] public InternalDataCollectionBase();
6	[C++] public: InternalDataCollectionBase();
7	[VB] Public Sub New()
8	[JScript] public function InternalDataCollectionBase();
9	Count
10	ToString
11	
12	[C#] public virtual int Count {get;}
13	[C++] public:property virtual int get_Count();
14	[VB] Overridable Public ReadOnly Property Count As Integer
15	[JScript] public function get Count() : int;
16	
17	Description
18	Gets the total number of elements in a collection.
19	The System.BaseCollection class and its members are not intended for use
20	as a stand alone component, but as the class from which other collection classes
21	derive standard functionality.
22	IsReadOnly
23	ToString
24	
25	[C#] public bool IsReadOnly {get;}

1	[C++] public:property bool get_IsReadOnly();
2	[VB] Public ReadOnly Property IsReadOnly As Boolean
3	[JScript] public function get IsReadOnly() : Boolean;
4	
5	Description
6	Gets a value indicating whether the
7	System.Data.InternalDataCollectionBase is read-only.
8	The System.BaseCollection class and its members are not intended for use
9	as a stand alone component, but as the class from which other collection classes
10	derive standard functionality.
11	IsSynchronized
12	ToString
13	
14	[C#] public bool IsSynchronized {get;}
15	[C++] public:property bool get_IsSynchronized();
16	[VB] Public ReadOnly Property IsSynchronized As Boolean
17	[JScript] public function get IsSynchronized(): Boolean;
18	
19	Description
20	Gets a value indicating whether the
21	System.Data.InternalDataCollectionBase is synchonized.
22	The System.BaseCollection class and its members are not intended for use
23	as a stand alone component, but as the class from which other collection classes
24	derive standard functionality.

List

~		
- 7	A \ t	rino
•	oSt.	rure
_		· · · · · ·

[C#] protected virtual ArrayList List {get;}
[C++] protected:property virtual ArrayList* get_List();
[VB] Overridable Protected ReadOnly Property List As ArrayList
[IScript] protected function get List() : ArrayList:

Description

Gets the items of the collection as a list.

The **System.BaseCollection** class and its members are not intended for use as a stand alone component, but as the class from which other collection classes derive standard functionality.

SyncRoot
ToString

[C#] public object SyncRoot {get;}

[C++] public: __property Object* get_SyncRoot();

[VB] Public ReadOnly Property SyncRoot As Object

[JScript] public function get SyncRoot() : Object;

Description

Gets an object that can be used to synchronize the collection.

The **System.BaseCollection** class and its members are not intended for use as a stand alone component, but as the class from which other collection classes derive standard functionality.

18

19

20

21

22

24

4	[C++] public:sealed void CopyTo(Array* ar, int index);
5	[VB] NotOverridable Public Sub CopyTo(ByVal ar As Array, ByVal index As
6	Integer)
7	[JScript] public function CopyTo(ar: Array, index: int);
8	
9	Description
10	Copies all the elements of the current
11	System.Data.InternalDataCollectionBase to a one-dimensional System.Array,
12	starting at the specified System.Data.InternalDataCollectionBase index.
13	This method can be overriden by a derived class. The one-dimensional
14	System.Array to copy the current System.Data.InternalDataCollectionBase
15	object's elements into. The destination System.Array index to start copying into.
16	GetEnumerator

CopyTo

[C#] public void CopyTo(Array ar, int index);

2

C#] public IEnt	umerator GetEnumerator();	
C++]	_sealed IEnumerator* GetEnumerator();	

[JScript] public function GetEnumerator(): IEnumerator;

[VB] NotOverridable Public Function GetEnumerator() As IEnumerator

Description 23

Gets an System. Collections. IE numerator for the collection.

Return Value: An System. Collections. IEnumerator for the collection.

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

The System.BaseCollection class and its members are not intended for use as a stand alone component, but as the class from which other collection classes derive standard functionality. InvalidConstraintException class (System.Data) **ToString** Description Represents the exception that is thrown when incorrectly attempting to create or access a relation. The System.Data.InvalidConstraintException is thrown when incorrectly invoking the following methods while attempting to create or access a relation. *InvalidConstraintException* Example Syntax: **ToString** [C#] public InvalidConstraintException(); [C++] public: InvalidConstraintException(); [VB] Public Sub New() [JScript] public function InvalidConstraintException(); Description Initializes a new instance of the System. Data. Invalid Constraint Exception class.

InvalidConstraintException

1	Example Syntax:
2	ToString
3	
4	[C#] public InvalidConstraintException(string s);
5	[C++] public: InvalidConstraintException(String* s);
6	[VB] Public Sub New(ByVal s As String) .
7	[JScript] public function InvalidConstraintException(s : String);
8	
9	Description
10	Initializes a new instance of the System.Data.InvalidConstraintException
11	class with the specified string. The string to display when the exception is thrown.
12	InvalidConstraintException
13	Example Syntax:
14	ToString
15	
16	[C#] public InvalidConstraintException(SerializationInfo info, StreamingContext
17	context);
18	[C++] public: InvalidConstraintException(SerializationInfo* info,
19	StreamingContext context);
20	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
21	StreamingContext)
22	[JScript] $public\ function\ Invalid Constraint Exception (info: Serialization Info,$
23	context: StreamingContext); Initializes a new instance of the
24	System.Data.InvalidConstraintException class.
25	

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Initializes a new instance of the **System.Data.InvalidConstraintException** class with serialization information. The data necessary to serialize or deserialize an object. Description of the source and destination of the specified serialized stream.

HelpLink

HResult

InnerException

Message

Source

StackTrace 5 1 2 1

TargetSite

InvalidExpressionException class (System.Data)

ToString

Description

Represents the exception that is thrown when attempting to add a

System.Data.DataColumn containing an invalid

 ${\it System. Data. Data Column. Expression \ to \ a \ System. Data. Data Column Collection \ .}$

The System.Data.DataColumn.Expression property is use to calculate the value of a column, or create an aggregate column.

InvalidExpressionException

Example Syntax:

1	ToString
2	
3	[C#] public InvalidExpressionException();
. 4	[C++] public: InvalidExpressionException();
5	[VB] Public Sub New()
6	[JScript] public function InvalidExpressionException(); Initializes a new instance
7	of the System.Data.InvalidExpressionException class.
8	
9	Description
10	Initializes a new instance of the System.Data.InvalidExpressionException
11	class.
12	InvalidExpressionException
13	Example Syntax:
14	ToString
15	
16	[C#] public InvalidExpressionException(string s);
17	[C++] public: InvalidExpressionException(String*s);
18	[VB] Public Sub New(ByVal s As String)
19	[JScript] public function InvalidExpressionException(s : String);
20	
21	Description
22	Initializes a new instance of the System.Data.InvalidExpressionException
23	class with the specified string. The string to display when the exception is thrown.

Invalid Expression Exception

Example Syntax:

1	ToString
2	
3	[C#] public InvalidExpressionException(SerializationInfo info, StreamingContext
4	context);
5	[C++] public: InvalidExpressionException(SerializationInfo* info,
6	StreamingContext context);
7	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
8	StreamingContext)
9	[JScript] public function InvalidExpressionException(info : SerializationInfo,
10	context : StreamingContext);
11	
12	Description
13	Initializes a new instance of the System.Data.InvalidExpressionException
14	class with the System.Runtime.Serialization.SerializationInfo and the
15	System.Runtime.Serialization.StreamingContext. The data needed to serialize of
16	deserialize an object. The source and destination of a given serialized stream.
17	HelpLink
18	HResult
19	InnerException
20	Message
21	Source
22	StackTrace
23	TargetSite
24	IsolationLevel_enumeration (System.Data)

ToString

1	
2	·
3	Description
4	Specifies the transaction locking behavior for the connection.
5	The System.Data.IsolationLevel values are used by a .NET data provider
6	when performing a transaction.
7	ToString
8	
9	[C#] public const IsolationLevel Chaos;
10	[C++] public: const IsolationLevel Chaos;
11	[VB] Public Const Chaos As IsolationLevel
12	[JScript] public var Chaos : IsolationLevel;
13	
14	Description
15	The pending changes from more highly isolated transactions cannot be
16	overwritten.
17	ToString
18	
19	[C#] public const IsolationLevel ReadCommitted;
20	[C++] public: const IsolationLevel ReadCommitted;
21	[VB] Public Const ReadCommitted As IsolationLevel
22	[JScript] public var ReadCommitted : IsolationLevel;
23	
24	Description
25	

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Shared locks are held while the data is being read to avoid dirty reads, but the data can be changed before the end of the transaction, resulting in non-repeatable reads or phantom data.

ToString

[C#] public const IsolationLevel ReadUncommitted;

[C++] public: const IsolationLevel ReadUncommitted;

[VB] Public Const ReadUncommitted As IsolationLevel

[JScript] public var ReadUncommitted : IsolationLevel;

Description

A dirty read is possible, meaning that no shared locks are issued and no exclusive locks are honored.

ToString

[C#] public const IsolationLevel RepeatableRead;

[C++] public: const IsolationLevel RepeatableRead;

[VB] Public Const RepeatableRead As IsolationLevel

[JScript] public var RepeatableRead : IsolationLevel;

Description

Locks are placed on all data that is used in a query, preventing other users from updating the data. Prevents non-repeatable reads but phantom rows are still possible.

ToString

[C#] public const IsolationLevel Serializable; 2 [C++] public: const IsolationLevel Serializable; 3 [VB] Public Const Serializable As IsolationLevel [JScript] public var Serializable : IsolationLevel; 5 6 Description 7 A range lock is palced on the System. Data. DataSet, preventing other users 8 from updating or inserting rows into the dataset until the transaction is complete. 9 **ToString** 10 11 [C#] public const IsolationLevel Unspecified; 12 [C++] public: const IsolationLevel Unspecified; 13 [VB] Public Const Unspecified As IsolationLevel 14 [JScript] public var Unspecified : IsolationLevel; 15 16 Description 17 A different isolation level than the one specified is being used, but the level 18 cannot be determined. 19 ITableMapping interface (System.Data) 20 **ToString** 21 22 23 Description 24

Associates a source table with a table in a System. Data. DataSet, and is 1 implemented by the System. Data. Common. Data Table Mapping class, which is 2 used in common by .NET data providers. 3 The System. Data. ITable Mapping interface allows an inheriting class to implement a TableMapping class, which associates a data source column with a 5 System.Data.DataSet column. For more information, see . **ColumnMappings** 7 **ToString** 8 9 [C#] IColumnMappingCollection ColumnMappings {get;} 10 [C++] IColumnMappingCollection* get ColumnMappings(); 11 [VB] ReadOnly Property ColumnMappings As IColumnMappingCollection 12 [JScript] abstract function get ColumnMappings(): IColumnMappingCollection; 13 14 Description 15 Gets the derived System. Data. Common. Data Column Mapping Collection 16 for the System.Data.DataTable. 17 DataSetTable 18 ToString 19 20 [C#] string DataSetTable {get; set;} 21 [C++] String* get DataSetTable();void set DataSetTable(String*); 22 [VB] Property DataSetTable As String 23 [JScript] abstract function get DataSetTable(): String; public abstract function set 24 DataSetTable(String); 25

Description 2 Gets or sets the case-insensitive name of the table within the 3 System.Data.DataSet . *SourceTable* 5 **ToString** 6 7 [C#] string SourceTable {get; set;} 8 [C++] String* get SourceTable();void set SourceTable(String*); 9 [VB] Property SourceTable As String 10 [JScript] abstract function get SourceTable(): String; public abstract function set 11 SourceTable(String); 12 13 Description 14 Gets or sets the case-sensitive name of the source table. 15 ITableMappingCollection interface (System.Data) 16 **ToString** 17 18 19

Description

20

21

22

23

24

25

Contains a collection of TableMapping objects, and is implemented by the System.Data.Common.DataTableMappingCollection, which is used in common by .NET data providers.

The System. Data. ITable Mapping Collection interface allows an inheriting class to implement a Table Mapping collection. For more information, see .

1	Item
2	ToString
3	
4	[C#] object this[string index] {get; set;}
5	[C++] Object* get_Item(String* index);void set_Item(String* index, Object*);
6	[VB] Default Property Item(ByVal index As String) As Object
7	[JScript] abstract returnValue =
8	ITable Mapping Collection Object. Item (index); ITable Mapping Collection Object. Item (index); and the substitution of the
9	m(index) = returnValue;
10	
11	Description
12	Gets or sets the instance of System.Data.ITableMapping with the specified
13	name. The name of the System.Data.ITableMapping.
14	Add
15	
16	[C#] ITableMapping Add(string sourceTableName, string dataSetTableName);
17	[C++] ITableMapping* Add(String* sourceTableName, String*
18	dataSetTableName);
19	[VB] Function Add(ByVal sourceTableName As String, ByVal dataSetTableName
20	As String) As ITableMapping
21	[JScript] function Add(sourceTableName : String, dataSetTableName : String) :
22	ITableMapping;
23	
24	Description
25	

Adds a table mapping to the collection.

Return Value: A reference to the newly-mapped System.Data.ITableMapping

System.Data.DataSettable.

Contains

6

7

8

9

10

11

12

13

14

15

16

17

5

1

2

3

[C#] bool Contains(string sourceTableName);

[C++] bool Contains(String* sourceTableName);

[VB] Function Contains(ByVal sourceTableName As String) As Boolean

[JScript] function Contains(sourceTableName : String) : Boolean;

object. The case-sensitive name of the source table. The name of the

Description

Gets a value indicating whether the collection contains a table mapping with the specified source table name.

Return Value: true if a table mapping with the specified source table name exists, otherwise false. The case-sensitive name of the source table.

GetByDataSetTable

18

19

20

21

22

23

24

 $[C\#] \ ITable Mapping \ Get By Data Set Table (string \ data Set Table Name);$

 $[C++] \ ITable Mapping * Get By Data Set Table (String * data Set Table Name);$

[VB] Function GetByDataSetTable(ByVal dataSetTableName As String) As

ITable Mapping

[JScript] function GetByDataSetTable(dataSetTableName : String) :

ITableMapping;

Description 2 Gets a reference to a System. Data. ITable Mapping table mapping. 3 Return Value: A reference to a System. Data. ITable Mapping table mapping. The 4 name of the System. Data. Data Set table within the collection. 5 *IndexOf* 6 7 [C#] int IndexOf(string sourceTableName); 8 [C++] int IndexOf(String* sourceTableName); 9 [VB] Function IndexOf(ByVal sourceTableName As String) As Integer 10 [JScript] function IndexOf(sourceTableName : String) : int; 11 12 Description 13 Gets the location of the System. Data. ITable Mapping object within the 14 collection. 15 Return Value: The location of the System. Data. ITable Mapping object within the 16 collection. The case-sensitive name of the source table. 17 RemoveAt 18 19 [C#] void RemoveAt(string sourceTableName); 20 [C++] void RemoveAt(String* sourceTableName); 21 [VB] Sub RemoveAt(ByVal sourceTableName As String) 22 [JScript] function RemoveAt(sourceTableName : String); 23 24 Description

Removes the System. Data. ITable Mapping object with the specified name from the collection. The case-sensitive name of the source table. 2 MappingType enumeration (System.Data) 3 RemoveAt 5 6 Description 7 Specifies how a **System.Data.DataColumn** is mapped. 8 The System. Data. Mapping Type enumeration is used when getting or 9 setting the System. Data. Data Column. Column Mapping property of the 10 System.Data.DataColumn . The property determines how a column's values will 11 be written when the System. Data. DataSet. WriteXml(System. IO. Stream) method 12 is called on a System. Data. Data Set to write the data and schema out as an XML 13 document. 14 RemoveAt 15 16 [C#] public const MappingType Attribute; 17 [C++] public: const MappingType Attribute; 18 [VB] Public Const Attribute As MappingType 19 [JScript] public var Attribute: MappingType; 20 21 Description 22 The column is mapped to an XML attribute.

RemoveAt

23

24

1	
2	[C#] public const MappingType Element;
3	[C++] public: const MappingType Element;
4	[VB] Public Const Element As MappingType
5	[JScript] public var Element : MappingType;
6	·
7	Description
8	The column is mapped to an XML element.
9	RemoveAt
10	
11	[C#] public const MappingType Hidden;
12	[C++] public: const MappingType Hidden;
13	[VB] Public Const Hidden As MappingType
14	[JScript] public var Hidden : MappingType;
15	
16	Description
17	The column is mapped to an internal structure.
18	RemoveAt
19	
20	[C#] public const MappingType SimpleContent;
21	[C++] public: const MappingType SimpleContent;
22	[VB] Public Const SimpleContent As MappingType
23	[JScript] public var SimpleContent : MappingType;
24	
25	Description

1	The column is mapped to an System.Xml.XmlText node.
2	MergeFailedEventArgs class (System.Data)
3	ToString
4	
5	
6	Description
7	Occurs when a target and source DataRow have the same primary key
8	value, and the System.Data.DataSet.EnforceConstraints property is set to true.
9	MergeFailedEventArgs
10	Example Syntax:
11	ToString
12	
13	[C#] public MergeFailedEventArgs(DataTable table, string conflict);
14	[C++] public: MergeFailedEventArgs(DataTable* table, String* conflict);
15	[VB] Public Sub New(ByVal table As DataTable, ByVal conflict As String)
16	[JScript] public function MergeFailedEventArgs(table : DataTable, conflict :
17	String);
18	
19	Description
20	Initializes a new instance of a System.Data.MergeFailedEventArgs class
21	with the System.Data.DataTable name and a description of the merge conflict.
22	The System.Data.DataTable name. A description of the merge conflict.
23	Conflict
24	ToString

1	
2	[C#] public string Conflict {get;}
3	[C++] public:property String* get_Conflict();
4	[VB] Public ReadOnly Property Conflict As String
5	[JScript] public function get Conflict() : String;
6	
7	Description
8	Returns a description of the merge conflict.
9	Table
10	ToString
11	·
12	[C#] public DataTable Table {get;}
13	[C++] public:property DataTable* get_Table();
14	[VB] Public ReadOnly Property Table As DataTable
15	[JScript] public function get Table() : DataTable;
16	
17	Description
18	Returns the name of the System.Data.DataTable .
19	MergeFailedEventHandler delegate (System.Data)
20	ToString
21	
22	
23	Description
24	Represents the method that will handle the
25	System.Data.DataSet.MergeFailed event.

When you create a System. Data. Merge Failed Event Handler delegate, you identify the method that will handle the event. To associate the event with your event handler, add an instance of the delegate to the event. The event handler is called whenever the event occurs, unless you remove the delegate. For more information about event handler delegates, see

MissingMappingAction enumeration (System.Data)
ToString

Description

Determines the action that occurs when a mapping is missing from a source table or a source column.

The System.Data.MissingMappingAction values are used as arguments in the

System.Data.Common.DataColumnMappingCollection.GetColumnMappingByS chemaAction(System.Data.Common.DataColumnMappingCollection,System.String,System.Data.MissingMappingAction) method, and the System.Data.Common.DataTableMappingCollection.GetTableMappingBySchemaAction(System.Data.Common.DataTableMappingCollection,System.String,Sy

ToString

[C#] public const MissingMappingAction Error;

[C++] public: const MissingMappingAction Error;

stem.String,System.Data.MissingMappingAction) method.

 $[VB] \ Public \ Const \ Error \ As \ Missing Mapping Action$

1	[JScript] public var Error : MissingMappingAction;
2	
3	Description
4	A System.SystemException is generated.
5	ToString
6	
7	[C#] public const MissingMappingAction Ignore;
8	[C++] public: const MissingMappingAction Ignore;
9	[VB] Public Const Ignore As MissingMappingAction
10	[JScript] public var Ignore: MissingMappingAction;
11	
12	Description
13	The column or table not having a mapping is ignored. Returns null
14	ToString
15	
16	[C#] public const MissingMappingAction Passthrough;
17	[C++] public: const MissingMappingAction Passthrough;
18	[VB] Public Const Passthrough As MissingMappingAction
19	[JScript] public var Passthrough: MissingMappingAction;
20	
21	Description
22	The source column or source table created and added to the
23	System.Data.DataSet using its original name.
24	MissingPrimaryKeyException class (System.Data)
25	ToString

	·
1	
2	
3	Description
4	Represents the exception that is thrown when attempting to access a row in
5	a table that has no primary key.
6	The System.Data.MissingPrimaryKeyException is thrown when invoking
7	the following methods to access a row in a table that has no primary key.
8	MissingPrimaryKeyException
9	Example Syntax:
10	ToString
11	
12	[C#] public MissingPrimaryKeyException();
13	[C++] public: MissingPrimaryKeyException();
14	[VB] Public Sub New()
15	[JScript] public function MissingPrimaryKeyException();
16	
17	Description
18	Initializes a new instance of the
19	System.Data.MissingPrimaryKeyException class.
20	MissingPrimaryKeyException
21	Example Syntax:
22	ToString
23	
24	[C#] public MissingPrimaryKeyException(string s);
25	[C++] public: MissingPrimaryKeyException(String*s);

1	[VB] Public Sub New(ByVal s As String)
2	[JScript] public function MissingPrimaryKeyException(s : String);
3	
4	Description
5	Initializes a new instance of the
6	System.Data.MissingPrimaryKeyException class with the specified string. The
7	string to display when the exception is thrown.
8	MissingPrimaryKeyException
9	Example Syntax:
10	ToString
11	
12	[C#] public MissingPrimaryKeyException(SerializationInfo info,
13	StreamingContext context);
14	[C++] public: MissingPrimaryKeyException(SerializationInfo* info,
15	StreamingContext context);
16	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
17	StreamingContext)
18	[JScript] public function MissingPrimaryKeyException(info : SerializationInfo,
19	context: StreamingContext); Initializes a new instance of the
20	System.Data.MissingPrimaryKeyException class.
21	
22	Description
23	Initializes a new instance of the
24	System.Data.MissingPrimaryKeyException class with serialization information
25	

The data necessary to serialize or deserialize an object. A description of the 1 source and destination of the specified serialized stream. 2 *HelpLink* 3 **HResult** *InnerException* 5 Message 6 Source StackTrace | 8 **TargetSite** 9 MissingSchemaAction enumeration (System.Data) 10 **ToString** 11 12 13 Description 14 Specifies the action to take when adding data to the System. Data. DataSet 15 and the required System. Data. Data Table or System. Data. Data Column is missing. 16 The System.Data.MissingSchemaAction values are used whenever an 17 action is taken that could change the schema of the System.Data.DataSet. 18 **ToString** 19 20 [C#] public const MissingSchemaAction Add; 21 [C++] public: const MissingSchemaAction Add; 22 [VB] Public Const Add As MissingSchemaAction 23 [JScript] public var Add: MissingSchemaAction; 24

Description

Adds the necessary columns to complete the schema.

ToString

[C#] public const MissingSchemaAction AddWithKey;
[C++] public: const MissingSchemaAction AddWithKey;
[VB] Public Const AddWithKey As MissingSchemaAction
[JScript] public var AddWithKey: MissingSchemaAction;

Description

Adds the necessary columns and primary key information to complete the schema. For more information about how primary key information is added to a System.Data.DataTable, see

System.Data.IDataAdapter.FillSchema(System.Data.DataSet,System.Data.SchemaType). To function properly with the OLE DB. NET Data Provider,

AddWithKey requires that the native OLE DB provider obtains necessary primary key information by setting the DBPROP_UNIQUEROWS property, and then determines which columns are primary key columns by examining

DBCOLUMN_KEYCOLUMN in the IColumnsRowset. As an alternative, the user may explicitly set the primary key constraints on each System.Data.DataTable.

This ensures that incoming records that match existing records are updated instead of appended. When using AddWithKey, the SQL Server.NET Data

Provider appends a FOR BROWSE clause to the statement being executed. The user should be aware of potential side effects, such as interference with the use of

1	SET FMTONLY ON statements. See SQL Server Books Online for more
2	information.
3	ToString
4	
5	[C#] public const MissingSchemaAction Error;
6	[C++] public: const MissingSchemaAction Error;
7	[VB] Public Const Error As MissingSchemaAction
8	[JScript] public var Error : MissingSchemaAction;
9	
10	Description
11	A System.SystemException is generated.
12	ToString
13	
14	[C#] public const MissingSchemaAction Ignore;
15	[C++] public: const MissingSchemaAction Ignore;
16	[VB] Public Const Ignore As MissingSchemaAction
17	[JScript] public var Ignore : MissingSchemaAction;
18	
19	Description
20	Ignores the extra columns.
21	NoNullAllowedException class (System.Data)
22	ToString
23	
24	
35	Description

lee@hayes ptc 509-324-9256

1	Represents the exception that is thrown when attempting to insert a null
2	value into a column where System.Data.DataColumn.AllowDBNull is set to false
3	
4	The System.Data.NoNullAllowedException is thrown when invoking the
5	following methods or properties when attempting to insert a null value into a
6	column where System.Data.DataColumn.AllowDBNull is set to false.
7	NoNullAllowedException
8	Example Syntax:
9	ToString
10	
11	[C#] public NoNullAllowedException();
12	[C++] public: NoNullAllowedException();
13	[VB] Public Sub New()
14	[JScript] public function NoNullAllowedException();
15	
16	Description
17	Initializes a new instance of the System.Data.NoNullAllowedException
18	class.
19	NoNullAllowedException
20	Example Syntax:
21	ToString
22	
23	[C#] public NoNullAllowedException(string s);
24	[C++] public: NoNullAllowedException(String*s);
25	[VB] Public Sub New(ByVal s As String)

MS1-864US_APP

[JScript] public function NoNullAllowedException(s: String); 2 Description 3 Initializes a new instance of the System.Data.NoNullAllowedException 4 class with the specified string. The string to display when the exception is thrown. 5 *NoNullAllowedException* 6 Example Syntax: 7 **ToString** 8 9 [C#] public NoNullAllowedException(SerializationInfo info, StreamingContext 10 context); 11 [C++] public: NoNullAllowedException(SerializationInfo* info, 12 StreamingContext context); 13 [VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As 14 StreamingContext) 15 [JScript] public function NoNullAllowedException(info: SerializationInfo, context 16 : StreamingContext); Initializes a new instance of the 17 System.Data.NoNullAllowedException class. 18 19 Description 20 Initializes a new instance of the System.Data.NoNullAllowedException 21 class with serialization information. The data necessary to serialize or deserialize 22 an object. Description of the source and destination of the specified serialized 23 stream. 24

HelpLink

25

ıŌ
ű
N
M
'n
E:
إيدا
ļ=
l≐

1	HResult
2	InnerException
3	Message
4	Source
5	StackTrace
6	TargetSite TargetSite
7	ParameterDirection enumeration (System.Data)
8	ToString
9	
10	
11	Description
12	Specifies the type of a parameter within a query relative to the
13	System.Data.DataSet .
14	The System.Data.ParameterDirection values are used by the parameter
15	direction properties of System.Data.OleDb.OleDbParameter and
16	System.Data.SqlClient.SqlParameter .
17	ToString
18	
19	[C#] public const ParameterDirection Input;
20	[C++] public: const ParameterDirection Input;
21	[VB] Public Const Input As ParameterDirection
22	[JScript] public var Input : ParameterDirection;
23	
24	Description
25	The parameter is an input parameter.

ToString

[C#] public const ParameterDirection InputOutput;
[C++] public: const ParameterDirection InputOutput;

[VB] Public Const InputOutput As ParameterDirection

[JScript] public var InputOutput : ParameterDirection;

Description

The parameter is capable of both input and output.

ToString

[C#] public const ParameterDirection Output; [C++] public: const ParameterDirection Output; [VB] Public Const Output As ParameterDirection [JScript] public var Output: ParameterDirection;

Description

The parameter is an output parameter.

ToString

[C#] public const ParameterDirection ReturnValue;
[C++] public: const ParameterDirection ReturnValue;
[VB] Public Const ReturnValue As ParameterDirection
[JScript] public var ReturnValue: ParameterDirection;

1	•
2	Description
3	The parameter represents a return value from an oper
4	stored procedure, built-in function, or user-defined function.
5	PropertyAttributes enumeration (System.Data)
6	ToString
7	
8	
9	Description
10	Specifies the attributes of a property.
11	ToString
12	·
13	[C#] public const PropertyAttributes NotSupported;
14	[C++] public: const PropertyAttributes NotSupported;
15	[VB] Public Const NotSupported As PropertyAttributes
16	[JScript] public var NotSupported : PropertyAttributes;
17	
18	Description
19	The property is not supported by the provider.
20	ToString
21	
22	[C#] public const PropertyAttributes Optional;
23	[C++] public: const PropertyAttributes Optional;
24	[VB] Public Const Optional As PropertyAttributes
25	[JScript] public var Optional : PropertyAttributes;

operation such as a

C
ű
ıД
N
M
(T
E:
, ra []
 =
<u>_</u>

1	
2	Description
3	The user does not need to specify a value for this property before the data
4	source is initialized.
5	ToString
6	
7	[C#] public const PropertyAttributes Read;
8	[C++] public: const PropertyAttributes Read;
9	[VB] Public Const Read As PropertyAttributes
10	[JScript] public var Read : PropertyAttributes;
11	
12	Description
13	The user can read the property.
14	ToString
15	
16	[C#] public const PropertyAttributes Required;
17	[C++] public: const PropertyAttributes Required;
18	[VB] Public Const Required As PropertyAttributes
19	[JScript] public var Required : PropertyAttributes;
20	
21	Description
22	The user must specify a value for this property before the data source is
23	initialized.
24	ToString
25	

ıD
١Ō
N
Ū
IJ.
E!
·
i
ļ≟

1	
2	[C#] public const PropertyAttributes Write;
3	[C++] public: const PropertyAttributes Write;
4	[VB] Public Const Write As PropertyAttributes
5	[JScript] public var Write : PropertyAttributes;
6	
7	Description
8	The user can write to the property.
9	PropertyCollection class (System.Data)
10	ToString
11	
12	
13	Description
14	Represents a collection of properties that can be added to
15	System.Data.DataColumn , System.Data.DataSet , or System.Data.DataTable .
16	The System.Data.PropertyCollection can be accessed through the
17	ExtendedProperties property of the System.Data.DataColumn,
18	System.Data.DataSet, or System.Data.DataTable class.
19	PropertyCollection
20	Example Syntax:
21	ToString
22	·
23	[C#] public PropertyCollection();
24	[C++] public: PropertyCollection();
25	-

	•
1	[VB] Public Sub New()
2	[JScript] public function PropertyCollection()
3	comparer
4	Count
5	hcp
6	IsFixedSize
7	IsReadOnly
8	IsSynchronized
9	Item
10	Keys
11	SyncRoot
12	Values
13	ReadOnlyException class (System.Data
14	ToString
15	
16	

Description

18

19

20

21

22

23

24

25

Represents the exception that is thrown when attempting to change the value of a read-only column.

The **System.Data.RowNotInTableException** is thrown when invoking the following methods or properties when attempting to change the value of a read-only column.

ReadOnlyException

Example Syntax:

ToString

1	
1	
2	[C#] public ReadOnlyException();
3	[C++] public: ReadOnlyException();
4	[VB] Public Sub New()
5	[JScript] public function ReadOnlyException();
6	
7	Description
8	Initializes a new instance of the System.Data.ReadOnlyException class.
9	ReadOnlyException
10	Example Syntax:
11	ToString
12	
13	[C#] public ReadOnlyException(string s);
14	[C++] public: ReadOnlyException(String*s);
15	[VB] Public Sub New(ByVal s As String)
16	[JScript] public function ReadOnlyException(s : String);
17	
18	Description
19	Initializes a new instance of the System.Data.ReadOnlyException class
20	with the specified string. The string to display when the exception is thrown.
21	ReadOnlyException
22	Example Syntax:
23	ToString
24	
25	[C#] public ReadOnlyException(SerializationInfo info, StreamingContext

1	context);
2	[C++] public: ReadOnlyException(SerializationInfo* info, StreamingContext
3	context);
4	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
5	StreamingContext)
6	[JScript] public function ReadOnlyException(info : SerializationInfo, context :
7	StreamingContext); Initializes a new instance of the
8	System.Data.ReadOnlyException class.
9	
10	Description
11	Initializes a new instance of the System.Data.ReadOnlyException class
12	with serialization information. The data necessary to serialize or deserialize an
13	object. Description of the source and destination of the specified serialized stream
14	HelpLink
15	HResult
16	InnerException
17	Message
18	Source
19	StackTrace
20	TargetSite
21	RowNotInTableException class (System.Data)
22	ToString
23	
24	
25	Description

1	Represents the exception that is thrown when trying to perform an
2	operation on a System.Data.DataRow that is not in a System.Data.DataTable.
3	The System.Data.RowNotInTableException is thrown when invoking the
4	following methods on a row that has been deleted with either the
5	System.Data.DataRow.Delete or the
6	System.Data.DataRowCollection.Remove(System.Data.DataRow) method.
7	RowNotInTableException
8	Example Syntax:
9	ToString
10	
11	[C#] public RowNotInTableException();
12	[C++] public: RowNotInTableException();
13	[VB] Public Sub New()
14	[JScript] public function RowNotInTableException(); Initializes a new instance of
15	the System.Data.RowNotInTableException class with no arguments.
16	
17	Description
18	Initializes a new instance of the System.Data.RowNotInTableException
19	class.
20	RowNotInTableException
21	Example Syntax:
22	ToString
23	
24	[C#] public RowNotInTableException(string s);
25	[C++] public: RowNotInTableException(String*s);
•	

[VB] Public Sub New(ByVal s As String) [JScript] public function RowNotInTableException(s : String); 2 3 Description 4 Initializes a new instance of the System.Data.RowNotInTableException 5 class with the specified string. The string to display when the exception is thrown. 6 RowNotInTableException 7 Example Syntax: 8 **ToString** 9 10 [C#] public RowNotInTableException(SerializationInfo info, StreamingContext 11 context); 12 [C++] public: RowNotInTableException(SerializationInfo* info, 13 StreamingContext context); 14 [VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As 15 StreamingContext) 16 [JScript] public function RowNotInTableException(info : SerializationInfo, 17 context: StreamingContext); Initializes a new instance of the 18 System.Data.RowNotInTableException class. 19 20 Description 21 Initializes a new instance of the System.Data.RowNotInTableException 22

Initializes a new instance of the **System.Data.RowNotInTableException**class with serialization information. The data necessary to serialize or deserialize
an object. Description of the source and destination of the specified serialized
stream.

23

24

25

1	HelpLink
2.	HResult
3	InnerException
4	Message
5	Source
6	StackTrace
7	TargetSite
8	Rule enumeration (System.Data)
9	ToString
10	
11	
12	Description
13	Indicates the action that occurs when a
14	System.Data.ForeignKeyConstraint is enforced.
15	The System.Data.Rule values are set to the
16	System.Data.ForeignKeyConstraint.UpdateRule and the
17	System.Data.ForeignKeyConstraint.DeleteRule properties of a
18	System.Data.ForeignKeyConstraint object found in a System.Data.DataTable
19	object's System.Data.ConstraintCollection
20	ToString
21	
22	[C#] public const Rule Cascade;
23	[C++] public: const Rule Cascade;
24	[VB] Public Const Cascade As Rule
25	[JScript] public var Cascade : Rule;

1	
2	Description
3	Delete or update related rows. This is the default.
4	ToString
5	
6	[C#] public const Rule None;
7	[C++] public: const Rule None;
8	[VB] Public Const None As Rule
9	[JScript] public var None : Rule;
10	
11	Description
12	No action taken on related rows.
13	ToString
14	
15	[C#] public const Rule SetDefault;
16	[C++] public: const Rule SetDefault;
17	[VB] Public Const SetDefault As Rule
18	[JScript] public var SetDefault : Rule;
19	
20	Description
21	Set values in related rows to the value contained in the
22	System.Data.DataColumn.DefaultValue property.
23	ToString
24	
25	[C#] public const Rule SetNull;

1	[C++] public: const Rule SetNull;
2	[VB] Public Const SetNull As Rule
3	[JScript] public var SetNull : Rule;
4	
5	Description
6	Set values in related rows to DBNull .
7	SchemaType enumeration (System.Data)
8	ToString
9	
10	
11	Description
12	Specifies how to handle existing schema mappings when performing a
13	System.Data.Common.DataAdapter.FillSchema(System.Data.DataSet,System.D
14	ata.SchemaType) operation.
15	The System.Data.SchemaType usually should be set to Mapped , because
16	any established table and column mappings are used.
17	ToString
18	
19	[C#] public const SchemaType Mapped;
20	[C++] public: const SchemaType Mapped;
21	[VB] Public Const Mapped As SchemaType
22	[JScript] public var Mapped : SchemaType;
23	
24	Description
25	

1	Apply any existing table mappings to the incoming schema. Configure the
2	System.Data.DataSet with the transformed schema.
3	ToString
4	
5	[C#] public const SchemaType Source;
6	[C++] public: const SchemaType Source;
7	[VB] Public Const Source As SchemaType
8	[JScript] public var Source : SchemaType;
9	
10	Description
11	Ignore any table mappings on the DataAdapter. Configure the
12	System.Data.DataSet using the incoming schema without applying any
13	transformations.
14	SqlDbType enumeration (System.Data)
15	ToString
16	
17	
18	Description
19	Specifies SQL Server data types.
20	ToString
21	
22	[C#] public const SqlDbType BigInt;
23	[C++] public: const SqlDbType BigInt;
24	[VB] Public Const BigInt As SqlDbType
25	[JScript] public var BigInt : SqlDbType;

•
Description
System.Int64 A 64-bit signed integer.
ToString
[C#] public const SqlDbType Binary;
[C++] public: const SqlDbType Binary;
[VB] Public Const Binary As SqlDbType
[JScript] public var Binary : SqlDbType;
Description
System.Array of type System.Byte A fixed-length stream of binary data
ranging between 1 and 8,000 bytes.
ToString
[C#] public const SqlDbType Bit;
[C++] public: const SqlDbType Bit;
[VB] Public Const Bit As SqlDbType
[JScript] public var Bit : SqlDbType;
Description
System.Boolean An unsigned numeric value that can be 0, 1, or null.
ToString
[C#] public const SqlDbType Char;

1	[C++] public: const SqlDbType Char;
2	[VB] Public Const Char As SqlDbType
3	[JScript] public var Char : SqlDbType;
4	
5	Description
6	System.String A fixed-length stream of non-Unicode characters ranging
7	between 1 and 8,000 characters.
8	ToString
9	
10	[C#] public const SqlDbType DateTime;
11	[C++] public: const SqlDbType DateTime;
12	[VB] Public Const DateTime As SqlDbType
13	[JScript] public var DateTime : SqlDbType;
14	
15	Description
16	System.DateTime Date and time data ranging in value from January 1,
17	1753 to December 31, 9999 to an accuracy of 3.33 milliseconds.
18	ToString
19	
20	[C#] public const SqlDbType Decimal;
21	[C++] public: const SqlDbType Decimal;
22	[VB] Public Const Decimal As SqlDbType
23	[JScript] public var Decimal : SqlDbType;
24	
25	Description

1	System.Decimal A fixed precision and scale numeric value between -10 -1
2	and 10 -1.
3	ToString
4	
5	[C#] public const SqlDbType Float;
6	[C++] public: const SqlDbType Float;
7	[VB] Public Const Float As SqlDbType
8	[JScript] public var Float : SqlDbType;
9	·
10	Description
11	System.Double A floating point number within the range of -1.79E +308
12	through 1.79E +308.
13	ToString
14	
15	[C#] public const SqlDbType Image;
16	[C++] public: const SqlDbType Image;
17	[VB] Public Const Image As SqlDbType
18	[JScript] public var Image : SqlDbType;
19	
20	Description .
21	System.Array of type System.Byte A variable-length stream of binary data
22	ranging from 0 to 2 -1 (or 2,147,483,647) bytes.
23	ToString
24	
25	[C#] public const SqlDbType Int;

1	[C++] public: const SqlDbType Int;
2	[VB] Public Const Int As SqlDbType
3	[JScript] public var Int : SqlDbType;
4	
5	Description
6	System.Int32 A 32-bit signed integer.
7	ToString
8	
9	[C#] public const SqlDbType Money;
10	[C++] public: const SqlDbType Money;
11	[VB] Public Const Money As SqlDbType
12	[JScript] public var Money : SqlDbType;
13	
14	Description
15	System.Decimal A currency value ranging from -2 (or -
16	922,337,203,685,477.5808) to 2-1 (or +922,337,203,685,477.5807) with an
17	accuracy to a ten-thousandth of a currency unit.
18	ToString
19	
20	[C#] public const SqlDbType NChar;
21	[C++] public: const SqlDbType NChar;
22	[VB] Public Const NChar As SqlDbType
23	[JScript] public var NChar : SqlDbType;
24	
25	Description

1	System.String A fixed-length stream of Unicode characters ranging
2	between 1 and 4,000 characters.
3	ToString
4	
5	[C#] public const SqlDbType NText;
6	[C++] public: const SqlDbType NText;
7	[VB] Public Const NText As SqlDbType
8	[JScript] public var NText : SqlDbType;
9	
10	Description
11	System.String A variable-length stream of Unicode data with a maximum
12	length of 2 - 1 (or 1,073,741,823) characters.
. 13	ToString
14	
15	[C#] public const SqlDbType NVarChar;
16	[C++] public: const SqlDbType NVarChar;
17	[VB] Public Const NVarChar As SqlDbType
18	[JScript] public var NVarChar : SqlDbType;
19	
20	Description
21	System.String A variable-length stream of Unicode characters ranging
22	between 1 and 4,000 characters.
23	ToString
24	
25	[C#] public const SalDhType Real:

	[C++] nublic: const SalDhTyne Real:
1	[C++] public: const SqlDbType Real;
2	[VB] Public Const Real As SqlDbType
3	[JScript] public var Real : SqlDbType;
4	
5	Description
6	System.Single A floating point number within the range of -3.40E +38
7	through 3.40E +38.
8	ToString
9	
10	[C#] public const SqlDbType SmallDateTime;
11	[C++] public: const SqlDbType SmallDateTime;
12	[VB] Public Const SmallDateTime As SqlDbType
13	[JScript] public var SmallDateTime : SqlDbType;
14	
15	Description
16	System.DateTime Date and time data ranging in value from January 1,
17	1900 to June 6, 2079 to an accuracy of one minute.
18	ToString
19	
20	[C#] public const SqlDbType SmallInt;
21	[C++] public: const SqlDbType SmallInt;
22	[VB] Public Const SmallInt As SqlDbType
23	[JScript] public var SmallInt : SqlDbType;
24	
25	Description

1	System.Int16 A 16-bit signed integer.
2	ToString
3	
4	[C#] public const SqlDbType SmallMoney;
5	[C++] public: const SqlDbType SmallMoney;
6	[VB] Public Const SmallMoney As SqlDbType
7	[JScript] public var SmallMoney : SqlDbType;
8	
9	Description
10	System.Decimal A currency value ranging from -214,748.3648 to
11	+214,748.3647 with an accuracy to a ten-thousandth of a currency unit.
12	ToString
13	
14	[C#] public const SqlDbType Text;
15	[C++] public: const SqlDbType Text;
16	[VB] Public Const Text As SqlDbType
17	[JScript] public var Text : SqlDbType;
18	·
19	Description
20	System.String A variable-length stream of non-Unicode data with a
21	maximum length of 2 -1 (or 2,147,483,647) characters.
22	ToString
23	
24	[C#] public const SqlDbType Timestamp;
25	[C++] public: const SqlDbType Timestamp;

1	[VB] Public Const Timestamp As SqlDbType
2	[JScript] public var Timestamp : SqlDbType;
3	
4	Description
5	System.DateTime Data and time data in the format yyyymmddhhmmss.
6	ToString
7	·
8	[C#] public const SqlDbType TinyInt;
9	[C++] public: const SqlDbType TinyInt;
10	[VB] Public Const TinyInt As SqlDbType
11	[JScript] public var TinyInt : SqlDbType;
12	
13	Description
14	System.Byte An 8-bit unsigned integer.
15	ToString
16	
17	[C#] public const SqlDbType UniqueIdentifier;
18	[C++] public: const SqlDbType UniqueIdentifier;
19	[VB] Public Const UniqueIdentifier As SqlDbType
20	[JScript] public var UniqueIdentifier : SqlDbType;
21	
22	Description
23	System.Guid A globally unique identifier (or GUID).
24	ToString
25	

1	
2	[C#] public const SqlDbType VarBinary;
3	[C++] public: const SqlDbType VarBinary;
4	[VB] Public Const VarBinary As SqlDbType
5	[JScript] public var VarBinary : SqlDbType;
6	·
7	Description
8	System. Array of type System. Byte A variable-length stream of binary data
9	ranging between 1 and 8,000 bytes.
10	ToString
11	
12	[C#] public const SqlDbType VarChar;
13	[C++] public: const SqlDbType VarChar;
14	[VB] Public Const VarChar As SqlDbType
15	[JScript] public var VarChar : SqlDbType;
16	
17	Description
18	System.String A variable-length stream of non-Unicode characters ranging
19	between 1 and 8,000 characters.
20	ToString
21	
22	[C#] public const SqlDbType Variant;
23	[C++] public: const SqlDbType Variant;
24	[VB] Public Const Variant As SqlDbType
25	[JScript] public var Variant : SqlDbType;
	•

$\overline{}$		•	. •	
, ,	esc	2017	7 <i>11/</i>	111
1)	ヒハし	I LI.	ILLCI	""
_		• • •		

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

System. Object A special data type that can contain numeric, string, binary, or date data as well as the SQL Server values Empty and Null, which is assumed if no other type is declared.

StateChangeEventArgs class (System.Data)

ToString

Description

Provides data for the state change event of a .NET data provider.

The data is used by the

System.Data.OleDb.OleDbConnection.StateChange property of the

System.Data.OleDb.OleDbConnection and the

System. Data. SqlClient. SqlConnection. State Change property of the

System.Data.SqlClient.SqlConnection .

State Change Event Args

Example Syntax:

ToString

[C#] public StateChangeEventArgs(ConnectionState originalState,

ConnectionState currentState);

[C++] public: StateChangeEventArgs(ConnectionState originalState,

ConnectionState currentState);

[VB] Public Sub New(ByVal originalState As ConnectionState, ByVal currentState

2	[JScript] public function StateChangeEventArgs(originalState : ConnectionState,
3	currentState : ConnectionState);
4	
5	Description
6	Initializes a new instance of the System.Data.StateChangeEventArgs class,
7	when given the original state and the current state of the object. One of the
8	System.Data.ConnectionState values. One of the System.Data.ConnectionState
9	values.
10	CurrentState
11	ToString
12	
13	[C#] public ConnectionState CurrentState {get;}
14	[C++] public:property ConnectionState get_CurrentState();
15	[VB] Public ReadOnly Property CurrentState As ConnectionState
16	[JScript] public function get CurrentState() : ConnectionState;
17	
18	Description
19	Gets the new state of the connection. The connection object will be in the
20	new state already when the event is fired.
21	OriginalState
22	ToString

[C#] public ConnectionState OriginalState {get;}

[C++] public: __property ConnectionState get_OriginalState();

23

As ConnectionState)

1	[VB] Public ReadOnly Property OriginalState As ConnectionState
2	[JScript] public function get OriginalState() : ConnectionState;
3	
4	Description
5	Gets the original state of the connection.
6	StateChangeEventHandler delegate (System.Data)
7	ToString
8	
9	
10	Description
11	Represents the method that will handle the
12	System.Data.OleDb.OleDbConnection.StateChange event. The source of the
13	event. The System.Data.StateChangeEventArgs that contains the event data.
14	When you create a System.Data.StateChangeEventHandler delegate, you
15	identify the method that will handle the event. To associate the event with your
16	event handler, add an instance of the delegate to the event. The event handler is
17	called whenever the event occurs, unless you remove the delegate. For more
18	information about event handler delegates, see .
19	StatementType enumeration (System.Data)
20	ToString
21	
22	
23	Description
24	Specifies the type of SQL query to be used by the
25	System.Data.OleDb.OleDbRowUpdatedEventArgs,

1	System.Data.OleDb.OleDbRowUpdatingEventArgs,
2	System.Data.SqlClient.SqlRowUpdatedEventArgs, or
3	System.Data.SqlClient.SqlRowUpdatingEventArgs class.
4	ToString
5	
6	[C#] public const StatementType Delete;
7	[C++] public: const StatementType Delete;
8	[VB] Public Const Delete As StatementType
9	[JScript] public var Delete : StatementType;
10	·
11	Description
12	A SQL query that is a DELETE statement.
13	ToString
14	
15	[C#] public const StatementType Insert;
16	[C++] public: const StatementType Insert;
17	[VB] Public Const Insert As StatementType
18	[JScript] public var Insert : StatementType;
19	
20	Description
21	A SQL query that is an INSERT statement.
22	ToString .
23	
24	[C#] public const StatementType Select;
25	[C++] public: const StatementType Select:

1	[VB] Public Const Select As StatementType
2	[JScript] public var Select : StatementType;
3	
4	Description
5	A SQL query that is a SELECT statement
6	ToString
7	
8	[C#] public const StatementType Update;
9	[C++] public: const StatementType Update;
10	[VB] Public Const Update As StatementType
11	[JScript] public var Update : StatementType;
12	
13	Description

A SQL query that is an UPDATE statement.

StrongTypingException class (System.Data)

ToString

Description

The exception that is thrown by a strongly-typed **System.Data.DataSet** when the user accesses DBNull value.

The System.Data.StrongTypingException class is not intended for use as a stand alone component, but as a class from which other classes derive standard functionality.

StrongTypingException

ì		
Mart dad the law was week		
•		
•		

1	Example Syntax:
2	ToString
3	
4	[C#] public StrongTypingException();
5	[C++] public: StrongTypingException();
6	[VB] Public Sub New()
7	[JScript] public function StrongTypingException(); Initializes a new instance of
8	the System.Data.StrongTypingException class.
9	
10	Description
11	Initializes a new instance of the System.Data.StrongTypingException
12	class.
13	The System.Data.StrongTypingException class is not intended for use as a
14	stand alone component, but as a class from which other classes derive standard
15	functionality.
16	StrongTypingException
17	Example Syntax:
18	ToString
19	
20	[C#] public StrongTypingException(SerializationInfo info, StreamingContext
21	context);
22	[C++] public: StrongTypingException(SerializationInfo* info, StreamingContext
23	context);
24	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
25	StreamingContext)

1	[JScript] public function StrongTypingException(info : SerializationInfo, context :
2	StreamingContext);
3	StrongTypingException
4	Example Syntax:
5	ToString
6	
7	[C#] public StrongTypingException(string s, Exception innerException);
8	[C++] public: StrongTypingException(String*s, Exception*innerException);
9	[VB] Public Sub New(ByVal s As String, ByVal innerException As Exception)
10	[JScript] public function StrongTypingException(s: String, innerException:
11	Exception);
12	
13	Description
14	Initializes a new instance of the System.Data.StrongTypingException class
15	with the specified string and inner exception.
16	The System.Data.StrongTypingException class is not intended for use as a
17	stand alone component, but as a class from which other classes derive standard
18	functionality. The string to display when the exception is thrown. A reference to an
19	inner exception.
20	HelpLink
21	HResult
22	InnerException
23	Message
24	Source
25	StackTrace



1	TargetSite
2	SyntaxErrorException class (System.Data)
3	ToString
4	
5	
6	Description
. 7	Represents the exception that is thrown when the
8	System.Data.DataColumn.Expression property of a System.Data.DataColumn
9	contains a syntax error.
10	SyntaxErrorException
11	Example Syntax:
· 12	ToString
13	
14	[C#] public SyntaxErrorException();
15	[C++] public: SyntaxErrorException();
16	[VB] Public Sub New()
17	[JScript] public function SyntaxErrorException(); Initializes a new instance of the
18	System.Data.SyntaxErrorException class.
19	
20	Description
21	Initializes a new instance of the System.Data.SyntaxErrorException class.
22	SyntaxErrorException
23	Example Syntax:
24	ToString
25	

1	
2	[C#] public SyntaxErrorException(string s);
3	[C++] public: SyntaxErrorException(String*s);
4	[VB] Public Sub New(ByVal s As String)
5	[JScript] public function SyntaxErrorException(s : String);
6	
7	Description
8	Initializes a new instance of the System.Data.SyntaxErrorException class
9	with the specified string. The string to display when the exception is thrown.
10	SyntaxErrorException
11	Example Syntax:
12	ToString
13	
14	[C#] public SyntaxErrorException(SerializationInfo info, StreamingContext
15	context);
16	[C++] public: SyntaxErrorException(SerializationInfo* info, StreamingContext
17	context);
18	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
19	StreamingContext)
20	[JScript] public function SyntaxErrorException(info : SerializationInfo, context :
21	StreamingContext);
22	
23	Description
24	Initializes a new instance of the System.Data.SyntaxErrorException class
25	with the System.Runtime.Serialization.SerializationInfo and the

1	System.Runtime.Serialization.StreamingContext. The data needed to serialize or
2	deserialize an object. The source and destination of a given serialized stream.
3	HelpLink
4	HResult
5	InnerException
6	Message
7	Source
8	StackTrace
9	TargetSite
10	TypedDataSetGenerator class (System.Data)
11	ToString
12	
13	·
14	Description
15	Used to create a strongly-typed System.Data.DataSet .
16	The System.Data.TypedDataSetGenerator class is not intended for use as a
17	stand alone component, but as a class from which other classes derive standard
18	functionality.
19	TypedDataSetGenerator
20	Example Syntax:
21	ToString
22	
23	[C#] public TypedDataSetGenerator();
24	[C++] public: TypedDataSetGenerator();
25	

[VB] Public Sub New()

[JScript] public function TypedDataSetGenerator();

Generate

[C#] public static void Generate(DataSet dataSet, CodeNamespace codeNamespace, ICodeGenerator codeGen);
[C++] public: static void Generate(DataSet* dataSet, CodeNamespace* codeNamespace, ICodeGenerator* codeGen);
[VB] Public Shared Sub Generate(ByVal dataSet As DataSet, ByVal codeNamespace As CodeNamespace, ByVal codeGen As ICodeGenerator)
[JScript] public static function Generate(dataSet: DataSet, codeNamespace: CodeNamespace, codeGen: ICodeGenerator); Generates a strongly-typed

System.Data.DataSet.

Description

Generates a strongly-typed System.Data.DataSet .

The System.Data.TypedDataSetGenerator class is not intended for use as a stand alone component, but as a class from which other classes derive standard functionality. The source System.Data.DataSet that specifies the metadata for the typed System.Data.DataSet. The CodeNamespace that provides the target Namespace for the typed System.Data.DataSet. The CodeGenerator used to create the typed System.Data.DataSet.

GenerateIdName

[C#] public static string GenerateIdName(string name, ICodeGenerator

1	codeGen);
2	[C++] public: static String* GenerateIdName(String* name, ICodeGenerator*
3	codeGen);
4	[VB] Public Shared Function GenerateIdName(ByVal name As String, ByVal
5	codeGen As ICodeGenerator) As String
6	[JScript] public static function GenerateIdName(name : String, codeGen :
7	ICodeGenerator): String;
8	
9	Description
10	Transforms a string in a valid typed System.Data.DataSet name.
11	Return Value: A string that is the converted name.
12	The System.Data.TypedDataSetGenerator class is not intended for use as a
13	stand alone component, but as a class from which other classes derive standard
14	functionality. The source name to transform into a valid typed
15	System.Data.DataSet name. The CodeGenerator used to perform the conversion.
16	TypedDataSetGeneratorException class (System.Data)
17	ToString
18	
19	
20	Description
21	The exception that is thrown when a name conflict occurs while generating
22	a strongly-typed System.Data.DataSet .
23	The System.Data.TypedDataSetGeneratorException class is not intended
. 24	for use as a stand alone component, but as a class from which other classes derive
25	standard functionality.

1	TypedDataSetGeneratorException
2	Example Syntax:
3	ToString
4	
5	[C#] public TypedDataSetGeneratorException();
6	[C++] public: TypedDataSetGeneratorException();
7	[VB] Public Sub New()
8	[JScript] public function TypedDataSetGeneratorException(); Initializes a new
9	instance of the System.Data.TypedDataSetGeneratorException class.
10	
11	Description
12	Initializes a new instance of the
13	System.Data.TypedDataSetGeneratorException class.
14	The System.Data.TypedDataSetGeneratorException class is not intended
15	for use as a stand alone component, but as a class from which other classes derive
16	standard functionality.
17	TypedDataSetGeneratorException
18	Example Syntax:
19	ToString
20	·
21	[C#] public TypedDataSetGeneratorException(ArrayList list);
22	[C++] public: TypedDataSetGeneratorException(ArrayList* list);
23	[VB] Public Sub New(ByVal list As ArrayList)
24	[JScript] public function TypedDataSetGeneratorException(list : ArrayList);
25	

1	
2	Description
3	Initializes a new instance of the
4	System.Data.TypedDataSetGeneratorException class.
5	The System.Data.TypedDataSetGeneratorException class is not intended
6	for use as a stand alone component, but as a class from which other classes derive
7	standard functionality. A dynamic list of exceptions.
. 8	TypedDataSetGeneratorException
9	Example Syntax:
10	ToString
11	
12	[C#] public TypedDataSetGeneratorException(SerializationInfo info,
13	StreamingContext context);
14	[C++] public: TypedDataSetGeneratorException(SerializationInfo* info,
15	StreamingContext context);
16	[VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As
17	StreamingContext)
18	[JScript] public function TypedDataSetGeneratorException(info :
19	SerializationInfo, context: StreamingContext);
20	ErrorList
21	ToString
22	
23	[C#] public ArrayList ErrorList {get;}
24	[C++] public:property ArrayList* get_ErrorList();
25	[VB] Public ReadOnly Property ErrorList As ArrayList

1	[JScript] public function get ErrorList() : ArrayList;
2	
3	Description
4	Gets a dynamic list of generated errors.
5	The System.Data.TypedDataSetGeneratorException class is not intended
6	for use as a stand alone component, but as a class from which other classes derive
7	standard functionality.
8	HelpLink
9	HResult
10	InnerException
11	Message
12	Source
13	StackTrace
14	TargetSite
15	GetObjectData
16	
17	[C#] public override void GetObjectData(SerializationInfo info,
18	StreamingContext context);
19	[C++] public: void GetObjectData(SerializationInfo* info, StreamingContext
20	context);
21	[VB] Overrides Public Sub GetObjectData(ByVal info As SerializationInfo, ByVal
22	context As StreamingContext)
23	[JScript] public override function GetObjectData(info : SerializationInfo, context
24	: StreamingContext);
25	UniqueConstraint class (System.Data)

1	ToString
2	
3	
4	Description
5	Represents a restriction on a set of columns in which all values must be
6	unique.
7	The System.Data.UniqueConstraint is enforced on a single column (or
8	columns) to ensure that a primary key value is unique.
9	UniqueConstraint
10	Example Syntax:
11	ToString
12	
13	[C#] public UniqueConstraint(DataColumn column);
14	[C++] public: UniqueConstraint(DataColumn* column);
15	[VB] Public Sub New(ByVal column As DataColumn)
16	[JScript] public function UniqueConstraint(column : DataColumn);
17	·
18	Description
19	Initializes a new instance of the System.Data.UniqueConstraint with the
20	specified System.Data.DataColumn . The System.Data.DataColumn to constrain.
21	UniqueConstraint
22	Example Syntax:
23	ToString
24	
25	[C#] public UniqueConstraint(DataColumn[] columns);

• 1	[C++] public: UniqueConstraint(DataColumn* columns[]);
2	[VB] Public Sub New(ByVal columns() As DataColumn)
3	[JScript] public function UniqueConstraint(columns : DataColumn[]);
4	
5	Description
6	Initializes a new instance of the System.Data.UniqueConstraint with the
7	given array of System.Data.DataColumn objects. The array of
8	System.Data.DataColumn objects to constrain.
9	UniqueConstraint
10	Example Syntax:
11	ToString
12	
13	[C#] public UniqueConstraint(string name, DataColumn column);
14	[C++] public: UniqueConstraint(String* name, DataColumn* column);
15	[VB] Public Sub New(ByVal name As String, ByVal column As DataColumn)
16	[JScript] public function UniqueConstraint(name : String, column :
17	DataColumn); Initializes a new instance of the System.Data.UniqueConstraint.
18	·
19	Description
20	Initializes a new instance of the System.Data.UniqueConstraint with the
21	specified name and System.Data.DataColumn . The name of the constraint. The
22	System.Data.DataColumn to constrain.
23	UniqueConstraint
24	Example Syntax:
25	ToString

[C#] public UniqueConstraint(string name, DataColumn[] columns);
[C++] public: UniqueConstraint(String* name, DataColumn* columns[]);
[VB] Public Sub New(ByVal name As String, ByVal columns() As DataColumn,
[JScript] public function UniqueConstraint(name : String, columns :
DataColumn[]);
Description
Initializes a new instance of the System.Data.UniqueConstraint with the
specified name and array of System.Data.DataColumn objects. The name of th
constraint. The array of System.Data.DataColumn objects to constrain.
UniqueConstraint
Example Syntax:
ToString
[C#] public UniqueConstraint(string name, string[] columnNames, bool
isPrimaryKey);
[C++] public: UniqueConstraint(String* name, String* columnNamesgc[],
bool isPrimaryKey);
[VB] Public Sub New(ByVal name As String, ByVal columnNames() As String,
ByVal isPrimaryKey As Boolean)
[JScript] public function UniqueConstraint(name : String, columnNames :
String[], isPrimaryKey: Boolean);

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Initializes a new instance of the System.Data.UniqueConstraint with the specified name, an array of System.Data.DataColumn objects, and a value specifying whether the constraint is a primary key. The name of the constraint. An array containing names of System.Data.DataColumn objects to constrain.

DataSet

Columns

ToString

Description

Gets the array of columns that this constraint affects.

ConstraintName

ExtendedProperties

IsPrimaryKey

ToString

Description

Gets a value indicating whether or not the constraint is on a primary key.

A table usually includes a primary key that ensures every row is unique. In some tables, the primary key may be made up of more than one column. For example, a primary key for a table containing names might be made up of both the first and last names as well. To create a primary key with more than one column, set the Columns property to an array of DataColumn objects.

Table

2	
3	[C#] public override DataTable Table {get;}
4	[C++] public:property virtual DataTable* get_Table();
5	[VB] Overrides Public ReadOnly Property Table As DataTable
6	[JScript] public function get Table() : DataTable;
7	
8	Description
9	Gets the table to which this constraint belongs.
10	Equals
11	
12	[C#] public override bool Equals(object key2);
13	[C++] public: bool Equals(Object* key2);
14	[VB] Overrides Public Function Equals(ByVal key2 As Object) As Boolean
15	[JScript] public override function Equals(key2 : Object) : Boolean;
16	
17	Description
18	Compares this constraint to a second to determine if both are identical.
19	Return Value: true, if the contraints are equal; otherwise, false.
20	Two constraints are equal if they constrain the same columns. The object to
21	which this System.Data.UniqueConstraint is compared.
22	GetHashCode
23	
24	[C#] public override int GetHashCode();
25	[C++] public: int GetHashCode();

ToString

1	[VB] Overrides Public Function GetHashCode() As Integer
2	[JScript] public override function GetHashCode() : int;
3	
4	Description
5	Gets the hash code of this instance of the System.Data.UniqueConstraint
6	object.
7	Return Value: A 32-bit signed integer hash code.
8	UpdateRowSource enumeration (System.Data)
9	ToString
10	
11	
12	Description
13	Specifies how query command results are applied to the row being updated.
14	The System.Data.UpdateRowSource values are used by the
15	System.Data.IDbCommand.UpdatedRowSource property of
16	System.Data.IDbCommand and any classes derived from it.
17	ToString
18	
19	[C#] public const UpdateRowSource Both;
20	[C++] public: const UpdateRowSource Both;
21	[VB] Public Const Both As UpdateRowSource
22	[JScript] public var Both : UpdateRowSource;
23	
24	Description
25	

1	Both the output parameters and the first returned row are mapped to the
2	changed row in the System.Data.DataSet.
3	ToString
4	
5	[C#] public const UpdateRowSource FirstReturnedRecord;
6	[C++] public: const UpdateRowSource FirstReturnedRecord;
7	[VB] Public Const FirstReturnedRecord As UpdateRowSource
8	[JScript] public var FirstReturnedRecord : UpdateRowSource;
9	,
10	Description
11	The data in the first returned row is mapped to the changed row in the
. 12	System.Data.DataSet .
13	ToString
14	
15	[C#] public const UpdateRowSource None;
16	[C++] public: const UpdateRowSource None;
17	[VB] Public Const None As UpdateRowSource
18	[JScript] public var None : UpdateRowSource;
19	
20	Description
21	Any returned parameters or rows are ignored.
22	ToString
23	
24	[C#] public const UpdateRowSource OutputParameters;
25	[C++] public: const UpdateRowSource OutputParameters;

1	[VB] Public Const OutputParameters As UpdateRowSource
2	[JScript] public var OutputParameters : UpdateRowSource;
3	
4	Description
5	Output parameters are mapped to the changed row in the
6	System.Data.DataSet .
7	UpdateStatus enumeration (System.Data)
8	ToString
9	
10	
11	Description
12	Specifies the action to take with regard to the current and remaining rows
13	during an System.Data.Common.DbDataAdapter.Update(System.Data.DataSet)
14	ToString
15	
16	[C#] public const UpdateStatus Continue;
17	[C++] public: const UpdateStatus Continue;
18	[VB] Public Const Continue As UpdateStatus
19	[JScript] public var Continue : UpdateStatus;
20	
21	Description
22	The System.Data.Common.DataAdapter is to continue processing rows.
23	ToString
24	
25	[C#] public const UpdateStatus ErrorsOccurred;

1	[C++] public: const UpdateStatus ErrorsOccurred;
2	[VB] Public Const ErrorsOccurred As UpdateStatus
3	[JScript] public var ErrorsOccurred : UpdateStatus;
4	
5	Description
6	The event handler reports that the update should be treated as an error.
7	ToString
8	
9	[C#] public const UpdateStatus SkipAllRemainingRows;
10	[C++] public: const UpdateStatus SkipAllRemainingRows;
11	[VB] Public Const SkipAllRemainingRows As UpdateStatus
12	[JScript] public var SkipAllRemainingRows : UpdateStatus;
13	
14	Description
15	The current row and all remaining rows are not to be updated.
16	ToString
17	
18	[C#] public const UpdateStatus SkipCurrentRow;
19	[C++] public: const UpdateStatus SkipCurrentRow;
20	[VB] Public Const SkipCurrentRow As UpdateStatus
21	[JScript] public var SkipCurrentRow : UpdateStatus;
22	
23	Description
24	The current row is not to be updated.
25	VersionNotFoundException class (System.Data)

1	ToString
2	
3	
4	Description
5	Represents the exception that is thrown when attempting to return a version
6	of a System.Data.DataRow that has been deleted.
7	VersionNotFoundException
8	Example Syntax:
9	ToString
10	
11	[C#] public VersionNotFoundException();
12	[C++] public: VersionNotFoundException();
13	[VB] Public Sub New()
14	[JScript] public function VersionNotFoundException();
15	
16	Description
17	Initializes a new instance of the System.Data.VersionNotFoundException
18	class.
19	VersionNotFoundException
20	Example Syntax:
21	ToString
22	
23	[C#] public VersionNotFoundException(string s);
24	[C++] public: VersionNotFoundException(String*s);
25	[VB] Public Sub New(ByVal s As String)

[JScript] public function VersionNotFoundException(s: String); 2 Description 3 Initializes a new instance of the System. Data. Version Not Found Exception 4 class with the specified string. The string to display when the exception is thrown. 5 VersionNotFoundException 6 Example Syntax: 7 **ToString** 8 9 [C#] public VersionNotFoundException(SerializationInfo info, StreamingContext 10 context); 11 [C++] public: VersionNotFoundException(SerializationInfo* info, 12 StreamingContext context); 13 [VB] Public Sub New(ByVal info As SerializationInfo, ByVal context As 14 StreamingContext) 15 [JScript] public function VersionNotFoundException(info: SerializationInfo, 16 context: StreamingContext); Initializes a new instance of the 17 System.Data.VersionNotFoundException class. 18 19 Description 20 Initializes a new instance of the System. Data. Version Not Found Exception 21 class with serialization information. The data necessary to serialize or deserialize 22 an object. Description of the source and destination of the specified serialized 23 stream.

HelpLink

24

InnerException

Message

Source

StackTrace

TargetSite

XmlReadMode enumeration (System.Data)

ToString

Description

Specifies how to read XML data and a relational schema into a System.Data.DataSet.

Use the members of this enumeration when setting the ReadMode parameter of the System.Data.DataSet.ReadXml(System.Xml.XmlReader) method.

ToString

[C#] public const XmlReadMode Auto;

[C++] public: const XmlReadMode Auto;

 $[VB] \ Public \ Const \ Auto \ As \ XmlReadMode$

[JScript] public var Auto : XmlReadMode;

Description

Default. Performs the most appropriate of these actions: If the data is a 1 DiffGram, sets XmlReadMode to DiffGram. 2 **ToString** 3 4 [C#] public const XmlReadMode DiffGram; 5 [C++] public: const XmlReadMode DiffGram; 6 [VB] Public Const DiffGram As XmlReadMode 7 [JScript] public var DiffGram : XmlReadMode; 8 9 Description 10 Reads a DiffGram, applying changes from the DiffGram to the 11 System.Data.DataSet. The semantics are identical to those of a 12 System.Data.DataSet.Merge(System.Data.DataSet) operation. As with the 13 System.Data.DataSet.Merge(System.Data.DataSet) operation, 14 System.Data.DataRow.RowState values are preserved. Input to 15 System.Data.DataSet.ReadXml(System.Xml.XmlReader) with DiffGrams should 16 only be obtained using the output from 17 System.Data.DataSet.WriteXml(System.IO.Stream) as a DiffGram. 18 **ToString** 19 20 [C#] public const XmlReadMode Fragment; 21 [C++] public: const XmlReadMode Fragment; 22 [VB] Public Const Fragment As XmlReadMode 23 [JScript] public var Fragment : XmlReadMode; 24 25

ū
ıD
IJ
П
Ţ
::
Ų
=
≐

D	esc	rip	tio	n
_		·		•

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Reads XML documents containing inline XDR schema fragments, such as those generated by executing FOR XML schemas that include inline XDR schemaagainst an instance of SQL Server. When System.Data.XmlReadMode is set to **SqlXml**, the default namespace is read as the inline schema.

ToString

[C#] public const XmlReadMode IgnoreSchema;

[C++] public: const XmlReadMode IgnoreSchema;

[VB] Public Const IgnoreSchema As XmlReadMode

[JScript] public var IgnoreSchema : XmlReadMode;

Description

Ignores any inline schema and reads data into the existing System. Data. Data Set schema. If any data does not match the existing schema, it is discarded (including data from differing namespaces defined for the System.Data.DataSet). If the data is a DiffGram, IgnoreSchema has the same functionality as DiffGram.

ToString

[C#] public const XmlReadMode InferSchema;

[C++] public: const XmlReadMode InferSchema;

[VB] Public Const InferSchema As XmlReadMode

[JScript] public var InferSchema: XmlReadMode;

MS1-864US.APP

Description

Ignores any inline schema, infering schema from the data, and loads the data. If the **System.Data.DataSet** already contains a schema, the current schema is extended by adding columns to existing tables, where they exist, and new tables where existing tables don't exist. An exception is thrown if a column already exists but has an incompatible mapping type property.

ToString

[C#] public const XmlReadMode ReadSchema; [C++] public: const XmlReadMode ReadSchema; [VB] Public Const ReadSchema As XmlReadMode [JScript] public var ReadSchema: XmlReadMode;

Description

Reads any inline schema and loads the data. If the **System.Data.DataSet** already contains schema, new tables may be added to the schema, but an exception is thrown if any tables in the inline schema already exist in the **System.Data.DataSet**.

XmlWriteMode enumeration (System.Data)
ToString

Description

l

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Specifies how to write XML data and a relational schema from a System.Data.DataSet.

Use the members of this enumeration when setting the WriteMode parameter of the System.Data.DataSet.WriteXml(System.IO.Stream) method.

ToString

[C#] public const XmlWriteMode DiffGram;

[C++] public: const XmlWriteMode DiffGram;

[VB] Public Const DiffGram As XmlWriteMode

[JScript] public var DiffGram : XmlWriteMode;

Description

Writes the entire System. Data. DataSet as a DiffGram, including original and current values. To generate a DiffGram containing only changed values, call System. Data. DataSet. GetChanges, and then call System. Data. DataSet. WriteXml(System. IO. Stream) as a DiffGram on the returned System. Data. DataSet.

ToString

[C#] public const XmlWriteMode IgnoreSchema;

[C++] public: const XmlWriteMode IgnoreSchema;

[VB] Public Const IgnoreSchema As XmlWriteMode

[JScript] public var IgnoreSchema: XmlWriteMode;

Description

Writes the current contents of the System. Data. DataSet as XML data, without an XSD schema. If no data is loaded into the System. Data. DataSet,

System.Data.Common

Description

The **System.Data.Common** namespace contains classes shared by the .NET data providers.

DataAdapter class (System.Data.Common)

Description

Represents a set of data commands and a database connection that are used to fill the **System.Data.DataSet** and update the data source.

The System.Data.Common.DataAdapter serves as a bridge between a System.Data.DataSet and a data source for retrieving and saving data. The System.Data.Common.DataAdapter provides this bridge by mapping System.Data.Common.DataAdapter.Fill(System.Data.DataSet) , which changes the data in the System.Data.DataSet to match the data in the data source, and System.Data.IDataAdapter.Update(System.Data.DataSet) , which changes the data in the data source to match the data in the System.Data.DataSet .

Constructors:

DataAdapter

Example Syntax:

1						
2	[C#]	p	rotected			DataAdapter();
3	[C++]	r	rotected:			DataAdapter();
4	[VB]	Protecte	d	Si	ıb	New()
5	[JScript]	protected		function		DataAdapter();
6						
7	Description					
8	Initializes a	new instan	ce of the	System.Da	ata.Commoi	n.DataAdapter
9	class.					
10	When an inst	ance of Sys	tem.Data.	Common.D	ataAdapter	is created, the
11	following read/write	properties a	re set to the	following	initial values	3.
12	Properties:					
13	AcceptChange	esDuringFill				
14					•	
15	[C#] public	bool	AcceptCl	nangesDurii	ngFill	{get; set;}
16	[C++] public:proj	perty bool g	et_Accept(ChangesDu	ingFill();pub	olic:property
17	void			set_Acce	ptChangesD	uringFill(bool);
18	[VB] Public	Property	AcceptC	ChangesDur	ingFill A	As Boolean
19	[JScript] public func	tion get Acc	eptChange	sDuringFill	(): Boolean;	public function
20	set			AcceptC	hangesDurin	gFill(Boolean);
21						
22	Description					
23	Gets or	sets	a	value	indicating	g whether
24	System.Data.DataR	ow.AcceptC	Changes is	called on	a System.	Data.DataRow
25	after it is added to the	e System.Da	ıta.DataTa	ble .		

If false, **System.Data.DataRow.AcceptChanges** is not called, and the newly added rows are treated as inserted rows.

Container

DesignMode

Events

MissingMappingAction

Description

1

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Determines the action to take when incoming data does not have a matching table or column.

The **System.Data.Common.DataAdapter.TableMappings** property provides the master mapping between the returned records and the **System.Data.DataSet**.

MissingSchemaAction

[C#] public MissingSchemaAction MissingSchemaAction {get; set;} public: MissingSchemaAction [C++]property get MissingSchemaAction();public: void property set_MissingSchemaAction(MissingSchemaAction); [VB] Public MissingSchemaAction As MissingSchemaAction Property [JScript] public function MissingSchemaAction() get MissingSchemaAction; public function set MissingSchemaAction(MissingSchemaAction);

Description

Determines the action to take when existing System.Data.DataSet schema does not match incoming data.

Site

TableMappings

Description

Gets a collection that provides the master mapping between a source table and a System.Data.DataTable.

When reconciling changes, the System.Data.Common.DataAdapter uses the System.Data.Common.DataTableMappingCollection collection to associate the column names used by the data source with the column names used by the System.Data.DataSet .

Methods:

CloneInternals

[C#]	protected	d vir	tual	DataAdapter	Cl	oneInternals();
[C++] _.	protecte	ed: vii	rtual	DataAdapter*	Cl	oneInternals();
[VB]	Overridable	Protected	Function	CloneInternals()	As	DataAdapter
[JScrip	t] protecte	ed func	tion Cl	loneInternals()	:	DataAdapter;

Description

lee@hayes pt 509-324-9256 490 MS1-864US.APP

Creates a copy of this instance of System. Data. Common. Data Adapter
Return Value: The cloned instance of System.Data.Common.DataAdapter.
All the commands, the
System.Data.Common.DataAdapter.TableMappings , The
System.Data.Common.DataAdapter.MissingSchemaAction , and the
System.Data.Common.DataAdapter.MissingMappingAction are cloned
However, the connections for the commands are not copied, but shared. Thus, the
cloned System.Data.Common.DataAdapter can be used against the same
connection as the original.
CreateTableMappings
[C#] protected virtual DataTableMappingCollection CreateTableMappings() [C++] protected: virtual DataTableMappingCollection* CreateTableMappings() [VB] Overridable Protected Function CreateTableMappings() Ast DataTableMappingCollection [JScript] protected function CreateTableMappings() DataTableMappingCollection;
Description
Creates a new System.Data.Common.DataTableMappingCollection
Return Value: A new System.Data.Common.DataTableMappingCollection.
Dispose
[C#] protected override void Dispose(bool disposing)
[C++] protected: void Dispose(bool disposing)

[VB] Overrides Protected Sub Dispose(ByVal disposing As Boolean)

[JScript] protected override function Dispose(disposing : Boolean); Releases the resources used by the System.Data.Common.DataAdapter .

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Releases the unmanaged resources used by the System.Data.Common.DataAdapter and optionally releases the managed resources.

This method is called by the public method and the System.Object.Finalize method. true to release both managed and unmanaged resources; false to release only unmanaged resources.

Fill

public [C#] abstract int Fill(DataSet dataSet); [C++] public: virtual Fill(DataSet* dataSet) 0; int [VB] MustOverride Public Function Fill(ByVal dataSet As DataSet) As Integer public function Fill(dataSet DataSet) [JScript] abstract int;

Description

Adds or refreshes rows in the System.Data.DataSet to match those in the data source using the System.Data.DataSet name, and creates a System.Data.DataTable named "Table".

Return Value: The number of rows successfully added to or refreshed in the System.Data.DataSet. This does not include rows affected by statements that do not return rows.

The System.Data.Common.DataAdapter.Fill(System.Data.DataSet) method retrieves rows from the data source using the SELECT statement specified by an associated System.Data.IDbDataAdapter.SelectCommand property. The connection object associated with the SELECT statement must be valid, but it does not need to be open. If the connection is closed before System.Data.Common.DataAdapter.Fill(System.Data.DataSet) is called, it is opened to retrieve data, then closed. If the connection is open before System.Data.Common.DataAdapter.Fill(System.Data.DataSet) is called, it remains open. A System.Data.DataSet to fill with records and, if necessary, schema.

FillSchema

[C#] public abstract DataTable[] FillSchema(DataSet dataSet, SchemaType schemaType);

[C++] public: virtual DataTable* FillSchema(DataSet* dataSet, SchemaType schemaType)

[] = 0;

[VB] MustOverride Public Function FillSchema(ByVal dataSet As DataSet, ByVal schemaType As SchemaType) As DataTable()

[JScript] public abstract function FillSchema(dataSet : DataSet, schemaType :

DataTable[];

Description

SchemaType)

Adds a **System.Data.DataTable** named "Table" to the specified **System.Data.DataSet** and configures the schema to match that in the data source based on the specified **System.Data.SchemaType**.

lee@hayes # 509-124-9256 493 MS1-864US.APP

Return Value: An array of System.Data.DataTable objects that contain schema information returned from the data source.

The

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.Common.DataAdapter.FillSchema(System.Data.DataSet,System .Data.SchemaType) method retrieves the schema from the data source using the System.Data.IDbDataAdapter.SelectCommand The connection object associated with the System.Data.IDbDataAdapter.SelectCommand must be valid, but it does not need to be open. If the connection is closed before System.Data.Common.DataAdapter.FillSchema(System.Data.DataSet,System .Data.SchemaType) is called, it is opened to retrieve data, then closed. If the before connection is open System.Data.Common.DataAdapter.FillSchema(System.Data.DataSet,System .Data.SchemaType) is called, it remains open. The System.Data.DataSet to be filled with the schema from the data source. One of the System. Data. Schema Type values.

GetFillParameters

[C#] public abstract IDataParameter[] GetFillParameters();
[C++] public: virtual IDataParameter* GetFillParameters() [] = 0;
[VB] MustOverride Public Function GetFillParameters() As IDataParameter()
[JScript] public abstract function GetFillParameters() : IDataParameter[];

Description

Gets the parameters set by the user when executing an SQL SELECT statement.

lee⊗hayes ≠ 509-324-9256 494 MS1-864US.APP

Return Value: An array of System.Data.IDataParameter objects that contains the parameters set by the user. 2 **ShouldSerializeTableMappings** 3 4 [C#] protected virtual bool ShouldSerializeTableMappings(); 5 [C++]protected: virtual ShouldSerializeTableMappings(); bool 6 [VB] Overridable Protected Function ShouldSerializeTableMappings() As 7 Boolean 8 function ShouldSerializeTableMappings() Boolean; [JScript] protected 9 10 Description 11 Determines whether one or 12 System.Data.Common.DataTableMapping objects exist and they should be 13 persisted. 14 Return Value: true if one or more System.Data.Common.DataTableMapping 15 objects exist; otherwise false. 16 Update 17 18 public Update(DataSet [C#] abstract int dataSet); 19 [C++]public: virtual Update(DataSet* dataSet) int 20 [VB] MustOverride Public Function Update(ByVal dataSet As DataSet) As 21 Integer 22 Update(dataSet : [JScript] public abstract function DataSet) 23 24

more

0;

int;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

24

25

Calls the respective INSERT, UPDATE, or DELETE statements for each inserted, updated, or deleted row in the specified System.Data.DataSet from a System.Data.DataTable named "Table".

Return Value: The number of rows successfully updated from the System.Data.DataSet.

When application calls the an System.Data.Common.DataAdapter.Update(System.Data.DataSet) method, System.Data.Common.DataAdapter examines the the System.Data.DataRow.RowState property, and executes the required INSERT, UPDATE, or DELETE statements based on the order of the indexes configured in System.Data.DataSet For example, the System.Data.Common.DataAdapter.Update(System.Data.DataSet) might execute a DELETE statement, followed by an INSERT statement, and then another DELETE statement, due to the ordering of the rows in the System.Data.DataTable application call the An can System.Data.DataSet.GetChanges method in situations where you must control the sequence of statement types (for example, INSERTs before UPDATEs). For more information, see . The System.Data.DataSet used to update the data source.

DataColumnMapping class (System.Data.Common)
Update

23 Description

Contains a generic column mapping for an object that inherits from System.Data.Common.DataAdapter. This class cannot be inherited.

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

A System.Data.Common.DataColumnMapping enables you to use column names in a System.Data.DataTable that are different from those in the data source. The DataAdapter uses the mapping to match the columns when the tables in the System.Data.DataSet or data source are updated. For more information, see. **DataColumnMapping** Example Syntax: Update [C#] public DataColumnMapping(); public: DataColumnMapping(); [C++]**Public** Sub New() [VB] [JScript] public function DataColumnMapping(); Initializes a new instance of the System.Data.Common.DataColumnMapping class. Description **Initializes** instance of the a new System.Data.Common.DataColumnMapping class. **DataColumnMapping** Example Syntax: Update [C#] public DataColumnMapping(string sourceColumn, string dataSetColumn); [C++]public: DataColumnMapping(String* sourceColumn, String*

dataSetColumn);

1	[VB] Public Sub New(ByVal sourceColumn As String, ByVal dataSetColumn As
2	String)
3	[JScript] public function DataColumnMapping(sourceColumn : String,
4	dataSetColumn : String);
5	
6	Description
7	Initializes a new instance of the
8	System.Data.Common.DataColumnMapping class when given a source column
9	name and a System.Data.DataSet column name to map to. The case-sensitive
10	column name from a data source. The column name, which is not case sensitive,
11	from a System.Data.DataSet to map to.
12	DataSetColumn
13	Update
14	
15	[C#] public string DataSetColumn {get; set;}
16	[C++] public:property String* get_DataSetColumn();public:property void
17	set_DataSetColumn(String*);
18	[VB] Public Property DataSetColumn As String
19	[JScript] public function get DataSetColumn() : String;public function set
20	DataSetColumn(String);
21	
22	Description
23	Gets or sets the name of the column within the System.Data.DataSet to
24	map to.
25	SourceColumn

lee@hayes ≠ 509-3249256 498 M51-864US.APP

Update

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#] public string SourceColumn {get; set;}
[C++] public: __property String* get_SourceColumn();public: __property void
set_SourceColumn(String*);

[VB] Public Property SourceColumn As String
[JScript] public function get SourceColumn() : String;public function set
SourceColumn(String);

Description

Gets or sets the case-sensitive column name from a data source to map from.

GetDataColumnBySchemaAction

[C#] public DataColumn GetDataColumnBySchemaAction(DataTable dataTable, MissingSchemaAction Type dataType, schemaAction); [C++]public: DataColumn* GetDataColumnBySchemaAction(DataTable* Type* dataType, MissingSchemaAction dataTable, schemaAction); [VB] Public Function GetDataColumnBySchemaAction(ByVal dataTable As DataTable, ByVal dataType As Type, ByVal schemaAction MissingSchemaAction) DataColumn As [JScript] public function GetDataColumnBySchemaAction(dataTable : DataTable, dataType: Type, schemaAction: MissingSchemaAction): DataColumn;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets a System.Data.DataColumn from the given System.Data.DataTable System.Data.MissingSchemaAction the and the using System.Data.Common.DataColumnMapping.DataSetColumn property. Return Value: A System.Data.DataColumn . If the given dataType is not convertible to the System.Type of the exception System.Data.DataColumn is generated. The an System.Data.DataTable to get the column from. The System.Type of the data column. One of the System.Data.MissingSchemaAction values. ICloneable.Clone ICloneable.Clone(); object [C#] ICloneable::Clone(); Object* [C++]**Function** Clone() Object **Implements** ICloneable.Clone [VB] As [JScript] function ICloneable.Clone(): Object; **ToString** ToString(); [C#] public override string public: String* ToString(); [C++]ToString() [VB] **Overrides Public Function** String As [JScript] public function ToString() String; override Description Converts the current System.Data.Common.DataColumnMapping.SourceColumn name to a string.

Return Value: The current System.Data.Common.DataColumnMapping.SourceColumn name as a string. 2 DataColumnMappingCollection class (System.Data.Common) 3 **ToString** 5 6 Description 7 Contains a collection of System.Data.Common.DataColumnMapping 8 objects. This class cannot be inherited. 9 DataColumnMappingCollection 10 Example Syntax: 11 **ToString** 12 13 DataColumnMappingCollection(); public [C#] 14 public: DataColumnMappingCollection(); [C++]15 **Public** Sub New() [VB] 16 [JScript] public function DataColumnMappingCollection(); 17 18 Description 19 Creates empty an 20 System.Data.Common.DataColumnMappingCollection . 21 Count 22 **ToString** 23 24 public [C#] int Count {get;} 25

[C++] public: int get Count(); property ReadOnly [VB] **Public Property** Count As Integer [JScript] public function Count() int; get

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the number of items in the collection.

Item

ToString

[C#] public DataColumnMapping this[int index] {get; set;} [C++] public: property DataColumnMapping* get Item(int index);public: void set Item(int index, DataColumnMapping*); property Public Default Property Item(ByVal index As Integer) [VB] DataColumnMapping

DataColumnMappingCollectionObject.Item(index);DataColumnMappingCollectio
nObject.Item(index) = returnValue; Gets or sets the
System.Data.Common.DataColumnMapping object specified.

returnValue

Description

[JScript]

Gets or sets the System.Data.Common.DataColumnMapping object at the specified index. The zero-based index of the System.Data.Common.DataColumnMapping object to find.

Item

ToString

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#] public DataColumnMapping this[string sourceColumn] {get; set;} property DataColumnMapping* get Item(String* [C++]public: sourceColumn, void set Item(String* sourceColumn);public: property DataColumnMapping*); [VB] Public Default Property Item(ByVal sourceColumn As String) As DataColumnMapping returnValue [JScript] DataColumnMappingCollectionObject.Item(sourceColumn);DataColumnMapping CollectionObject.Item(sourceColumn) returnValue; Description Gets or sets the System.Data.Common.DataColumnMapping object with the specified source column name. The case-sensitive name of the source column. Add [C#] public Add(object value); int public: int Add(Object* [C++]sealed value); [VB] NotOverridable Public Function Add(ByVal value As Object) As Integer [JScript] public function Add(value : Object) : int; Adds a column mapping to the collection. Description

Adds an System.Object to the collection.

Return Value: The index of the System.Object added to the collection. An System.Object to add to the collection.

Add

[C#] public DataColumnMapping Add(string sourceColumn, string dataSetColumn);

[C++] public: DataColumnMapping* Add(String* sourceColumn, String* dataSetColumn);

[VB] Public Function Add(ByVal sourceColumn As String, ByVal dataSetColumn As String) As DataColumnMapping [JScript] public function Add(sourceColumn : String, dataSetColumn : String) : DataColumnMapping;

Description

Adds a column mapping to the collection when given a source column name and a System.Data.DataSet column name.

Return Value: The System.Data.Common.DataColumnMapping object added to the collection. The case-sensitive name of the source column to map to. The name, which is not case sensitive, of the System.Data.DataSet column to map to.

AddRange

[C#] public void AddRange(DataColumnMapping[] values);
 [C++] public: void AddRange(DataColumnMapping* values[]);
 [VB] Public Sub AddRange(ByVal values() As DataColumnMapping)

function AddRange(values : DataColumnMapping[]); [JScript] public Description Copies the elements of the specified System.Data.Common.DataColumnMapping array to the end of the collection. Clear [C#] public void Clear(); [C++]public: sealed void Clear(); [VB] NotOverridable **Public** Sub Clear() [JScript] public function Clear(); Description Removes all the items from the collection. **Contains** [C#] public bool Contains(object value); public: sealed bool Contains(Object* [C++]value); [VB] NotOverridable Public Function Contains(ByVal value As Object) As Boolean public function Contains(value : Object) Boolean; [JScript] Description value indicating whether Gets a a 24 System.Data.Common.DataColumnMapping object with the given 25

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Object exists in collection. the Return Value: true if the collection contains the specified System.Data.Common.DataColumnMapping object; otherwise, false . An System.Object that is the System.Data.Common.DataColumnMapping.

Contains

[C#] public bool Contains(string value);
[C++] public: __sealed bool Contains(String* value);
[VB] NotOverridable Public Function Contains(ByVal value As String) As
Boolean

[JScript] public function Contains(value : String) : Boolean; Gets a value indicating whether a **System.Data.Common.DataColumnMapping** object exists in the collection.

Description

Gets value indicating whether a a System.Data.Common.DataColumnMapping object with the given value exists the collection. in if collection Value: contains Return true System.Data.Common.DataColumnMapping object with this source column name; otherwise, false. The case-sensitive source column name of the System.Data.Common.DataColumnMapping object.

CopyTo

[C#] public void CopyTo(Array array, int index);

lee@hayes_pec 509-324-9256 MS1-864US.APP

1	[C++] public:sealed void CopyTo(Array* array, int index);
2	[VB] NotOverridable Public Sub CopyTo(ByVal array As Array, ByVal index As
3	Integer)
4	[JScript] public function CopyTo(array : Array, index : int);
5	
6	Description
7	Copies the elements of the
8	System.Data.Common.DataColumnMappingCollection to the specified array.
9	An System.Array to which to copy
10	System.Data.Common.DataColumnMappingCollection elements. The starting
11	index of the array.
12	GetByDataSetColumn
13	
14	[C#] public DataColumnMapping GetByDataSetColumn(string value);
15	[C++] public: DataColumnMapping* GetByDataSetColumn(String* value);
16	[VB] Public Function GetByDataSetColumn(ByVal value As String) As
17	DataColumnMapping
18	[JScript] public function GetByDataSetColumn(value : String) :
19	DataColumnMapping;
20	
21	Description
22	Gets the System.Data.Common.DataColumnMapping object with the
23	specified System.Data.DataSet column name.
24	Return Value: The System.Data.Common.DataColumnMapping object with the
25	

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

specified System.Data.DataSet column name. The name, which is not casesensitive, of the System.Data.DataSet column to find. GetColumnMappingBySchemaAction [C#] public static **DataColumnMapping** GetColumnMappingBySchemaAction(DataColumnMappingCollection columnMappings, string sourceColumn, MissingMappingAction mappingAction); [C++]public: static DataColumnMapping* GetColumnMappingBySchemaAction(DataColumnMappingCollection* columnMappings, String* sourceColumn, MissingMappingAction mappingAction); Public Shared Function GetColumnMappingBySchemaAction(ByVal [VB] columnMappings As DataColumnMappingCollection, ByVal sourceColumn As mappingAction String, **ByVal** As MissingMappingAction) As **DataColumnMapping** function [JScript] public static GetColumnMappingBySchemaAction(columnMappings DataColumnMappingCollection, sourceColumn: String, mappingAction Missing Mapping Action) DataColumnMapping; Description Gets a System.Data.Common.DataColumnMapping for the specified System.Data.Common.DataColumnMappingCollection, source column name, System.Data.MissingMappingAction and

Return Value: A System.Data.Common.DataColumnMapping object.

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

If the System.Data.Common.DataColumnMapping exists in the collection, it is returned. the System.Data.Common.DataColumnMappingCollection. The case-sensitive source column name to find. One of the System.Data.MissingMappingAction values.

GetEnumerator

[C#] public **IEnumerator** GetEnumerator(); [C++]public: IEnumerator* GetEnumerator(); sealed [VB] NotOverridable Public Function GetEnumerator() As IEnumerator [JScript] public function GetEnumerator() IEnumerator;

Description

IndexOf

[C#] public int IndexOf(object value);
[C++] public: __sealed int IndexOf(Object* value);
[VB] NotOverridable Public Function IndexOf(ByVal value As Object) As Integer
[JScript] public function IndexOf(value : Object) : int; Gets the location of the specified System.Data.Common.DataColumnMapping within the collection.

Description

Gets the location of the specified System.Object that is a System.Data.Common.DataColumnMapping within the collection.

Return Value: The location of the specified System.Object that is a

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

System.Data.Common.DataColumnMapping within the collection. System.Object that is the System.Data.Common.DataColumnMapping to find. IndexOf IndexOf(string [C#] public int sourceColumn); [C++]public: sealed IndexOf(String* sourceColumn); int [VB] NotOverridable Public Function IndexOf(ByVal sourceColumn As String) Integer As IndexOf(sourceColumn [JScript] public function String) int: Description Gets the location of the System.Data.Common.DataColumnMapping with the specified column source name. Return Value: The location of the System.Data.Common.DataColumnMapping with the specified case-sensitive source column name. The case-sensitive name of the source column. IndexOfDataSetColumn [C#] public IndexOfDataSetColumn(string dataSetColumn); int IndexOfDataSetColumn(String* [C++]public: int dataSetColumn); [VB] Public Function IndexOfDataSetColumn(ByVal dataSetColumn As String) Integer As [JScript] public function IndexOfDataSetColumn(dataSetColumn: String): int; Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

location specified Gets the of the System.Data.Common.DataColumnMapping with the given System.Data.DataSet column name. of Value: The location the specified Return System.Data.Common.DataColumnMapping with the given data set column name, or -1 if the System.Data.Common.DataColumnMapping object does not exist in the collection. The name, which is not case-sensitive, of the data set column to find.

Insert

Insert(int public void index, object value); [C#] sealed void Insert(int index, Object* [C++]public: value); [VB] NotOverridable Public Sub Insert(ByVal index As Integer, ByVal value As Object)

[JScript] public function Insert(index : int, value : Object);

Description

Inserts a System.Data.Common.DataColumnMapping object into the System.Data.Common.DataColumnMappingCollection at the specified index.

Return Value: A System.Data.Common.DataColumnMapping object. The zero-based index of the System.Data.Common.DataColumnMappingobject to insert.

The System.Data.Common.DataColumnMappingobject.

Remove

[C#] public void Remove(object value);

[C++] public: sealed void Remove(Object* value): Public Sub NotOverridable Remove(ByVal value As Object) [VB] function public Remove(value Object); [JScript]

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Removes the **System.Object** that is a **System.Data.Common.DataColumnMapping** from the collection. The **System.Object** that is the **System.Data.Common.DataColumnMapping** to remove.

RemoveAt

[C#] public void RemoveAt(int index);
[C++] public: __sealed void RemoveAt(int index);
[VB] NotOverridable Public Sub RemoveAt(ByVal index As Integer)
[JScript] public function RemoveAt(index : int); Removes the specified

System.Data.Common.DataColumnMapping object from the collection.

Description

Removes the **System.Data.Common.DataColumnMapping** object with the specified index from the collection. The zero-based index of the **System.Data.Common.DataColumnMapping** object to remove.

RemoveAt

[C#] public void RemoveAt(string sourceColumn);
[C++] public: __sealed void RemoveAt(String* sourceColumn);

lee@hayes_pac 509-324-9256 512 M51-864US_APP

1	[VB] NotOverridable Public Sub RemoveAt(ByVal sourceColumn As String)							
2	[JScript] public function RemoveAt(sourceColumn : String);							
3								
4	Description							
5	Removes the System.Data.Common.DataColumnMapping object with							
6	the specified source column name from the collection. The case-sensitive source							
7	column name.							
8	IColumnMappingCollection.Add							
9								
10	[C#] IColumnMapping IColumnMappingCollection.Add(string							
11	sourceColumnName, string dataSetColumnName);							
12	[C++] IColumnMapping* IColumnMappingCollection::Add(String*							
13	sourceColumnName, String* dataSetColumnName);							
14	[VB] Function Add(ByVal sourceColumnName As String, ByVal							
15	dataSetColumnName As String) As IColumnMapping Implements							
16	IColumnMappingCollection.Add							
17	[JScript] function IColumnMappingCollection.Add(sourceColumnName : String,							
18	dataSetColumnName: String): IColumnMapping;							
19	IColumnMappingCollection.GetByDataSetColumn							
20								
21	[C#] IColumnMapping IColumnMappingCollection.GetByDataSetColumn(string							
22	dataSetColumnName);							
23	[C++] IColumnMapping*							
24	IColumnMappingCollection::GetByDataSetColumn(String*							
25	dataSetColumnName);							

[VB] Function GetByDataSetColumn(ByVal dataSetColumnName As String) As
IColumnMapping Implements IColumnMappingCollection.GetByDataSetColumn

[JScript] function
IColumnMappingCollection.GetByDataSetColumn(dataSetColumnName : String)
: IColumnMapping;

DataTableMapping class (System.Data.Common)

ToString

Description

Contains a description of a mapped relationship between a source table and a System.Data.DataTable . This class is used by a System.Data.Common.DataAdapter when populating a System.Data.DataSet .

A System.Data.Common.DataTableMapping provides a master mapping between the data returned from a query against a data source, and a System.Data.DataTable . The System.Data.Common.DataTableMapping name can be passed in place of the System.Data.DataTable name to the Fill method of the DataAdapter. For more information, see .

DataTableMapping

Example Syntax:

ToString

[C#] public DataTableMapping();
[C++] public: DataTableMapping();
[VB] Public Sub New()

lee⊗hayes pk 509-324-9256 514 MS1-864US.APP

1	[JScript] public function DataTableMapping(); Initializes a new instance of the								
2	System.Data.Common.DataTableMapping class.								
3									
4	Description								
5	Initializes a new instance of the								
6	System.Data.Common.DataTableMapping class.								
7	DataTableMapping								
8	Example Syntax:								
9	ToString								
10									
11	[C#] public DataTableMapping(string sourceTable, string dataSetTable);								
12	[C++] public: DataTableMapping(String* sourceTable, String* dataSetTable);								
13	[VB] Public Sub New(ByVal sourceTable As String, ByVal dataSetTable As								
14	String)								
15	[JScript] public function DataTableMapping(sourceTable : String, dataSetTable :								
16	String);								
17									
18	Description								
19	Initializes a new instance of the								
20	System.Data.Common.DataTableMapping class with a source when given a								
21	source table name and a System.Data.DataTable name. The case-sensitive source								
22	table name from a data source. The table name from a System.Data.DataSet to								
23	map to.								
24	DataTableMapping								
25	Example Syntax:								

1	ToString
2	
3	[C#] public DataTableMapping(string sourceTable, string dataSetTable,
4	DataColumnMapping[] columnMappings);
5	[C++] public: DataTableMapping(String* sourceTable, String* dataSetTable,
6	DataColumnMapping* columnMappings[]);
7	[VB] Public Sub New(ByVal sourceTable As String, ByVal dataSetTable As
8	String, ByVal columnMappings() As DataColumnMapping)
9	[JScript] public function DataTableMapping(sourceTable : String, dataSetTable :
10	String, columnMappings : DataColumnMapping[]);
11	·
12	Description
13	Initializes a new instance of the
14	System.Data.Common.DataTableMapping class when given a source table
15	name, a System.Data.DataTable name, and an array of
16	System.Data.Common.DataColumnMapping objects. The case-sensitive source
17	table name from a data source. The table name from a System.Data.DataSet to
18	map to. An array of System.Data.Common.DataColumnMapping objects.
19	ColumnMappings
20	ToString
21	
22	[C#] public DataColumnMappingCollection ColumnMappings {get;}
23	[C++] public:property DataColumnMappingCollection*
24	get_ColumnMappings();
25	[VB] Public ReadOnly Property ColumnMappings As

As

1	DataColumnMappingCollection
2	[JScript] public function get ColumnMappings()
3	DataColumnMappingCollection;
4	
5	Description
6	Gets the System.Data.Common.DataColumnMappingCollection for the
7	System.Data.DataTable .
8	DataSetTable
9	ToString
10	
11	[C#] public string DataSetTable {get; set;}
12	[C++] public:property String* get_DataSetTable();public:property void
13	set_DataSetTable(String*);
14	[VB] Public Property DataSetTable As String
15	[JScript] public function get DataSetTable() : String;public function set
16	DataSetTable(String);
17	· ·
18	Description
19	Gets or sets the table name from a System.Data.DataSet.
20	SourceTable
21	ToString
22	
23	[C#] public string SourceTable {get; set;}
24	[C++] public:property String* get_SourceTable();public:property void
25	set_SourceTable(String*);

[VB]	Publ	ic	Prope	rty	Sourc	ceTa	ble	As	S	tring
[JScript]	public	function	get	Source	Table()	:	String;pul	olic f	unction	set
SourceTa	ble(Strin	g);								
Description	on									
Ge	ets or sets	s the case-s	sensiti	ive sourc	e table i	name	e from a d	ata sou	ırce.	
Ge	tColumn	ıMappingF	3ySch	emaActi	on					
· [C#] pul	olic Dat	taColumnN	Ларрі	ng Get	Column	Map	pingBySc	hema <i>A</i>	Action(s	tring
sourceCo	lumn,		Missi	ingMapp	ingActi	on		mapp	oingAct	ion);
[C++]			publ	ic:			Data	Colun	nnMapp	ing*
GetColun	nnMappi	ngBySche	maAc	ction(Stri	ng*			sou	ırceColı	ımn,
MissingN	fapping A	Action						mapp	oingAct	ion);
[VB]	Public	Func	tion	GetC	ColumnN	Ларр	oingByScl	nemaA	ction(B	yVal
sourceCo	lumn As	String, B	yVal	mapping	gAction	As	MissingM	Sapping	gAction) As
DataColu	mnMapp	oing								
[JScript]	public 1	function (GetCo	lumnMa	ppingBy	ySch	emaActio	n(sour	ceColun	nn :
String,	mapping	Action :	Mis	ssingMap	pingAc	tion)	: Dat	aColur	nnMapp	oing;
Description	on									
Ge	ets a	Syste	m.Da	ita.Data	Column	l	from	the	spec	ified
System.D	ata.Data	aTable		usir	ıg		the		spec	ified
System.D	ata.Mis	singMapp	ingA	ction	value	and	l the	name	of	the
System.D	ata.Data	aColumn								
Return	Value:	A Svs	tem.T)ata.Dat	aColum	ın	The	name	e of	the

lee@hayes pix 509-124-9256 518 MS1-864US.APP

3

4

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.DataColumn . One of the System.Data.MissingMappingAction values. GetDataTableBySchemaAction GetDataTableBySchemaAction(DataSet [C#] public DataTable dataSet. MissingSchemaAction schemaAction); [C++] public: DataTable* GetDataTableBySchemaAction(DataSet* dataSet, MissingSchemaAction schemaAction); [VB] Public Function GetDataTableBySchemaAction(ByVal dataSet As DataSet, ByVal schemaAction As MissingSchemaAction) As DataTable [JScript] public function GetDataTableBySchemaAction(dataSet : DataSet, schemaAction MissingSchemaAction) DataTable; Description Gets the current System.Data.DataTable for the specified System.Data.DataSet using the specified System.Data.MissingSchemaAction value. Return Value: A System.Data.DataTable. System.Data.DataTable does not exist. System.Data.MissingSchemaAction is taken. The System.Data.DataSet from which System.Data.DataTable One of to get the System.Data.MissingSchemaAction values. ICloneable.Clone

ICloneable.Clone(); [C#] object

the

[C++] Object* ICloneable::Clone(); **Implements** [VB] Function Clone() As Object ICloneable.Clone 2 [JScript] function ICloneable.Clone(): Object; 3 **ToString** 4 5 [C#] public override string ToString(); 6 public: String* ToString(); [C++]7 [VB] ToString() Overrides Public **Function** String As 8 [JScript] public override function ToString() String; 9 10 Description 11 Converts the current 12 System.Data.Common.DataTableMapping.SourceTable name to a string. 13 Return Value: The current 14 System.Data.Common.DataTableMapping.SourceTable name, as a string. 15 DataTableMappingCollection class (System.Data.Common) 16 **ToString** 17 18 19 Description 20 A collection of System.Data.Common.DataTableMapping objects. This 21 class cannot be inherited. 22 DataTableMappingCollection 23 Example Syntax: 24 25 **ToString**

[C#] public DataTableMappingCollection(); public: DataTableMappingCollection(); [C++]3 [VB] Sub **Public** New() DataTableMappingCollection(); function [JScript] public 5 6 Description 7 **Initializes** empty 8 an $System. Data. Common. Data Table Mapping Collection \ .$ 9 Count 10 **ToString** 11 12 public int Count {get;} [C#] 13 get Count(); public: [C++]property int 14 Property [VB] **Public** ReadOnly Count As Integer 15 function Count() [JScript] public get int; 16 17 Description 18 Gets the number of items in the collection. 19 Item 20 **ToString** 21 22 DataTableMapping this[int index] [C#] public {get; set;} 23 property DataTableMapping* get Item(int index);public: [C++] public: 24 set_Item(int void index, DataTableMapping*); property 25

1	[VB] Public Default Property Item(ByVal index As Integer) As							
2	DataTableMapping							
3	[JScript] returnValue =							
4	DataTableMappingCollectionObject.Item(index);DataTableMappingCollectionOb							
5	ject.Item(index) = returnValue; Gets or sets the							
6	System.Data.Common.DataTableMapping object specified							
7								
8	Description							
9	Gets or sets the System.Data.Common.DataTableMapping object at a							
10	specified index. The zero-based index of the							
11	System.Data.Common.DataTableMapping object to find.							
12	Item .							
13	ToString							
14								
15	[C#] public DataTableMapping this[string sourceTable] {get; set;}							
16	[C++] public:property DataTableMapping* get_Item(String*							
17	sourceTable);public:property void set_Item(String* sourceTable,							
18	DataTableMapping*);							
19	[VB] Public Default Property Item(ByVal sourceTable As String) As							
20	DataTableMapping							
21	[JScript] returnValue =							
22	DataTableMappingCollectionObject.Item(sourceTable);DataTableMappingCollect							
23	ionObject.Item(sourceTable) = returnValue;							
24								
25	Description							

lee@hayes ≠ 509-324-926 522 MS1-864US.APP

Gets or sets the **System.Data.Common.DataTableMapping** object with the specified source table name. The case-sensitive name of the source table.

Add

[C#] public int Add(object value);
[C++] public: __sealed int Add(Object* value);
[VB] NotOverridable Public Function Add(ByVal value As Object) As Integer
[JScript] public function Add(value : Object) : int; Adds a table mapping to the collection.

Description

Adds an **System.Object** that is a table mapping to the collection.

Return Value: The index of the **System.Object** added to the collection. An **System.Object** to add to the collection.

Add

[C#] public DataTableMapping Add(string sourceTable, string dataSetTable);
[C++] public: DataTableMapping* Add(String* sourceTable, String* dataSetTable);
[VB] Public Function Add(ByVal sourceTable As String, ByVal dataSetTable As String)

As

DataTableMapping

[JScript] public function Add(sourceTable : String, dataSetTable : String) :

DataTableMapping;

Description

2

3

4

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Adds a table mapping to the collection when given a source table name and System.Data.DataSet table name. a Return Value: The System.Data.Common.DataTableMapping object that was added to the collection. The case-sensitive name of the source table to map to. The name, which is not case-sensitive, of the System.Data.DataSet table to map to. AddRange 7 [C#] void AddRange(DataTableMapping[] values); public AddRange(DataTableMapping* [C++]public: void values[]); [VB] Public Sub AddRange(ByVal values() As DataTableMapping) [JScript] public function AddRange(values DataTableMapping[]); Description Copies the elements of the specified System.Data.Common.DataTableMapping array to the end of the collection. Clear public void Clear(); [C#] public: sealed void Clear(); [C++]NotOverridable Public Sub Clear() [VB] function Clear(); [JScript] public Description Removes all items from the collection. Contains 25

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#] public Contains(object bool value); sealed Contains(Object* [C++]public: bool value); [VB] NotOverridable Public Function Contains(ByVal value As Object) As Boolean [JScript] public function Contains(value Object) Boolean: Description Gets value indicating whether the given a System.Data.Common.DataTableMapping object exists in the collection. Value: if this collection contains the specified Return true System.Data.Common.DataTableMapping ; otherwise, false An System.Object that is the System.Data.Common.DataTableMapping. **Contains** [C#] public bool Contains(string value); public: sealed [C++]bool Contains(String* value); [VB] NotOverridable Public Function Contains(ByVal value As String) As Boolean [JScript] public function Contains(value : String) : Boolean; Gets a value indicating whether a System.Data.Common.DataTableMapping object exists in the collection. Description

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets value indicating whether a System.Data.Common.DataTableMapping object with the given source table exists in the collection. name if the collection contains Return Value: true a System.Data.Common.DataTableMapping object with this source table name; otherwise, false. The case-sensitive source table name containing the System.Data.Common.DataTableMapping object.

CopyTo

public CopyTo(Array [C#] void array, int index): void CopyTo(Array* int index); [C++]public: sealed array, [VB] NotOverridable Public Sub CopyTo(ByVal array As Array, ByVal index As Integer)

[JScript] public function CopyTo(array : Array, index : int);

Description

Copies the elements of the System.Data.Common.DataTableMappingCollection to the specified array. An System.Array to which to copy System.Data.Common.DataTableMappingCollection elements. The starting index of the array.

GetByDataSetTable

[C#] public DataTableMapping GetByDataSetTable(string dataSetTable); [C++] public: DataTableMapping* GetByDataSetTable(String* dataSetTable);

526

MS1-864US.APP

[VB] Public Function GetByDataSetTable(ByVal dataSetTable As String) As **DataTableMapping** 2 [JScript] public function GetByDataSetTable(dataSetTable: String) 3 DataTableMapping; 4 5 Description 6 Gets the System.Data.Common.DataTableMapping object with the 7 specified System.Data.DataSet table name. 8 Return Value: The System.Data.Common.DataTableMapping object with the 9 specified System.Data.DataSet table name. The name, which is not case 10 sensitive, of the System.Data.DataSet table to find. 11 **GetEnumerator** 12 13 **IEnumerator** GetEnumerator(); public [C#] 14 [C++]public: sealed IEnumerator* GetEnumerator(); 15 [VB] NotOverridable Public Function GetEnumerator() As IEnumerator 16 function [JScript] public GetEnumerator() IEnumerator; 17 18 Description 19 GetTableMappingBySchemaAction 20 21 [C#] public static DataTableMapping 22 GetTableMappingBySchemaAction(DataTableMappingCollection tableMappings, 23 string sourceTable, string dataSetTable, MissingMappingAction mappingAction); 24 DataTableMapping* [C++]public: static 25

lee@hayes.px 509-324-9256 527 MS1-864US.APP

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

GetTableMappingBySchemaAction(DataTableMappingCollection* tableMappings, String* sourceTable. String* dataSetTable, MissingMappingAction mappingAction); GetTableMappingBySchemaAction(ByVal [VB] Public Shared **Function** tableMappings As DataTableMappingCollection, ByVal sourceTable As String, ByVal dataSetTable As String, ByVal mappingAction As MissingMappingAction) As DataTableMapping [JScript] public static function GetTableMappingBySchemaAction(tableMappings : DataTableMappingCollection, sourceTable : String, dataSetTable : String, MissingMappingAction) DataTableMapping; mappingAction :

Description

Gets a System.Data.Common.DataColumnMapping object with the given source table name and System.Data.DataSet table name, using the given System.Data.MissingMappingAction .

Return Value: A System.Data.Common.DataTableMapping.

If the System.Data.Common.DataTableMapping exists in the collection, it is returned. The System.Data.Common.DataTableMappingCollection collection to search. The case-sensitive name of the source table to find. The name, which is not case-sensitive, to assign to the System.Data.DataSet table. One of the System.Data.MissingMappingAction values.

IndexOf

[C#] public int IndexOf(object value);
[C++] public: __sealed int IndexOf(Object* value);

lee@haves ac 509-324-9256 528 MS1-864US-APP

[VB] NotOverridable Public Function IndexOf(ByVal value As Object) As Integer [JScript] public function IndexOf(value : Object) : int; Gets the location of the specified System.Data.Common.DataTableMapping object within the collection.

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

Gets the location of the specified System.Object that is a System.Data.Common.DataTableMapping object within the collection.

Return Value: The location of the specified System.Object that is a System.Data.Common.DataTableMapping object within the collection. An System.Object that is the System.Data.Common.DataTableMapping object to find.

IndexOf

[C#] public int IndexOf(string sourceTable); sealed IndexOf(String* sourceTable); [C++]public: int [VB] NotOverridable Public Function IndexOf(ByVal sourceTable As String) As Integer public function IndexOf(sourceTable [JScript] String) int;

Description

Gets the location of the **System.Data.Common.DataTableMapping** object with the specified source table name.

Return Value: The location of the **System.Data.Common.DataTableMapping**

25

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

object with the specified source table name. The case-sensitive name of the source table.

IndexOfDataSetTable

[C#] public int IndexOfDataSetTable(string dataSetTable);
[C++] public: int IndexOfDataSetTable(String* dataSetTable);
[VB] Public Function IndexOfDataSetTable(ByVal dataSetTable As String) As Integer

[JScript] public function IndexOfDataSetTable(dataSetTable : String) : int;

Description

Gets the location of the System.Data.Common.DataTableMapping object with the specified System.Data.DataSet table name. Return Value: The location of the System.Data.Common.DataTableMapping object with the given System.Data.DataSet table name, or -1 if the System.Data.Common.DataTableMapping object does not exist in the collection. The name, which is not case-sensitive, of the data set table to find.

Insert

Insert(int object [C#] public void index, value); public: void Insert(int index, Object* [C++]sealed value); [VB] NotOverridable Public Sub Insert(ByVal index As Integer, ByVal value As Object)

[JScript] public function Insert(index : int, value : Object);

lee⊗hayes pt 509-324-9256 530 MS1-864US.APP

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Inserts a System.Data.Common.DataTableMapping object into the System.Data.Common.DataTableMappingCollection at the specified index.

Return Value: A System.Data.Common.DataTableMapping object. The zero-based index of the System.Data.Common.DataTableMappingobject to insert.

The System.Data.Common.DataTableMappingobject.

Remove

Remove(object [C#] public void value); [C++]public: sealed void Remove(Object* value); NotOverridable Public Sub Remove(ByVal value Object) [VB] As Object); function [JScript] public Remove(value

Description

Removes the specified **System.Data.Common.DataTableMapping** object from the collection. The **System.Object** that is the **System.Data.Common.DataTableMapping** object to remove.

RemoveAt

RemoveAt(int [C#] public void index); [C++]public: sealed void RemoveAt(int index); [VB] NotOverridable Public Sub RemoveAt(ByVal index As [JScript] public function RemoveAt(index : int); Removes the specified System.Data.Common.DataTableMapping object collection. from the

lee@hayes 🗚 509-324-9256 531 MS1-864US.APP

Description

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Removes the System.Data.Common.DataTableMapping object located at the specified index from the collection. The zero-based index of the System.Data.Common.DataTableMapping object to remove.

RemoveAt

RemoveAt(string [C#] public void sourceTable); public: sealed void RemoveAt(String* sourceTable); [C++][VB] NotOverridable Public Sub RemoveAt(ByVal sourceTable As String) [JScript] public RemoveAt(sourceTable function String);

Description

Removes the **System.Data.Common.DataTableMapping** object with the specified source table name from the collection. The case-sensitive source table name to find.

ITableMappingCollection.Add

[C#] ITableMapping ITableMappingCollection.Add(string sourceTableName, string dataSetTableName); ITableMapping* ITableMappingCollection::Add(String* [C++]sourceTableName, String* dataSetTableName); sourceTableName [VB] Function Add(ByVal As String, ByVal dataSetTableName As String) **ITableMapping Implements** As ITableMappingCollection.Add

lee@hayes pt 509-324-936 532 MS1-864US.APP

3

4

5

	6
	7
	8
	9
D D	10
	11
Ħ	12
=	13
1	14
4	15
17 4	16
	17
	18
	19
	20
	21
	22
	23
	24
	25

[JScript] function ITableMappingCollection.Add(sourceTableName : String, dataSetTableName: String): ITableMapping;

ITableMappingCollection.GetByDataSetTable

[C#] **ITableMapping** ITableMappingCollection.GetByDataSetTable(string dataSetTableName);

[C++] ITableMapping* ITableMappingCollection::GetByDataSetTable(String* dataSetTableName);

[VB] Function GetByDataSetTable(ByVal dataSetTableName As String) As ITableMappingCollection.GetByDataSetTable **ITableMapping Implements** function [JScript]

ITableMappingCollection.GetByDataSetTable(dataSetTableName : String) ITableMapping;

DbDataAdapter class (System.Data.Common) **ToString**

Description

Aids implementation of the System.Data.IDbDataAdapter interface. Inheritors of System.Data.Common.DbDataAdapter implement a set of functions to provide strong typing, but inherit most of the functionality needed to fully implement a DataAdapter.

The System.Data.Common.DbDataAdapter class inherits from the System.Data.Common.DataAdapter class and helps a class implement a DataAdapter designed for use with a relational database.

1	ToS	String						
2								
3	[C#]	public	const	strin	g D	efaultS	SourceTal	oleName;
4	[C++]	public:	const	String	g* D	efaultS	SourceTal	oleName;
5	[VB]	Public	Const	DefaultSou	ırceTableNa	ame	As	String
6	[JScript]	public	var	DefaultSc	ourceTableN	Vame	:	String;
7								
8	Descriptio	on						
9	The	e default nar	ne used by t	the System.l	Oata.Comn	non.Da	ataAdapt	er object
10	for table m	nappings.						
11	Sys	tem.Data.C	ommon.Db	DataAdapto	er.DefaultS	ource'	TableNaı	me is
12	when ar	n applicati	on adds	a table	mapping	to	be use	ed with
13	System.Da	ata.Commo	n.DbDataA	dapter.Fill(System.Da	ta.Dat	aTable)	, but
14	does not sp	pecify a Syst	tem.Data.D	ataTable na	me.			
15	Db	DataAdapter						
16	Exa	ample Syntax	; .					
17	ToS	String						
18								
19	[C#]		prote	ected			DbDataA	dapter();
20	[C++]		prot	ected:			DbDataA	dapter();
21	[VB]		Protected		Sub			New()
22	[JScript]	p	rotected	fun	ction		DbDataA	dapter();
23								
24	Descriptio	n						
25								

ı

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Initializes a new instance of the System.Data.Common.DbDataAdapter class.

When you create an instance of **System.Data.Common.DbDataAdapter**, the following read/write properties are set to the following initial values.

AcceptChangesDuringFill

Container

DesignMode

Events

MissingMappingAction

MissingSchemaAction

Site

TableMappings

ToString

Description

Returned when an error occurs during a fill operation.

The System.Data.Common.DbDataAdapter.FillError event allows a user to determine whether or not the fill operation should continue after the error occurs. Examples of when the System.Data.Common.DbDataAdapter.FillError event might occur are: The data being added to a System.Data.DataSet cannot be converted to a common language runtime type without losing precision.

CreateRowUpdatedEvent

[C#] protected abstract RowUpdatedEventArgs

CreateRowUpdatedEvent(DataRow	dataRow,	IDbComma	nd command,			
StatementType statementType,	DataTable	Mapping	tableMapping);			
[C++] protected:	virtual	RowUp	datedEventArgs*			
CreateRowUpdatedEvent(DataRow*	dataRow,	IDbCommai	nd* command,			
StatementType statementType, D	ataTableMapp	ing* tableM	[apping] = 0;			
[VB] MustOverride Protected Function	on CreateRow	UpdatedEvent	(ByVal dataRow			
As DataRow, ByVal command As	s IDbCommar	nd, ByVal st	atementType As			
StatementType, ByVal tableM	apping As	DataTable	eMapping) As			
RowUpdatedEventArgs						
[JScript] protected abstract fund	ction CreateF	RowUpdatedE	vent(dataRow:			
DataRow, command : IDbCom	mand, staten	nentType :	StatementType,			
tableMapping : DataTableM	Mapping)	: RowUp	odatedEventArgs;			
	•					
Description						
Initializes a r	new ir	stance	of the			
System.Data.Common.RowUpdated	dEventArgs		class.			
Return Value: A	new	instance	of the			
System.Data.Common.RowUpdated	dEventArgs cl	ass.				
When			overridding			
System. Data. Common. DbDataAdapter. CreateRow Updated Event (System. Data) and the state of t						
a. Data Row, System. Data. ID b Command, System. Data. Statement Type, System.						
Data.Common.DataTableMapping) in a derived class, be sure to call the base						
class's						
System.Data.Common.DbDataAdap	oter.CreateRo	wUpdatedEv	ent(System.Dat			
a.DataRow,System.Data.IDbComm	and,System.D	ata.Statemen	tType,System.			

Data.Common.DataTableMapping) method. The System.Data.DataRow used to update the data source. The System.Data.IDbCommand executed during the System.Data.IDataAdapter.Update(System.Data.DataSet). Whether the command is an UPDATE, INSERT, DELETE, or SELECT statement. A System.Data.Common.DataTableMapping object.

CreateRowUpdatingEvent

command:

9

2

3

5

6

7

8

11 12

13

14

15

17

16

18

19 20

21

22

23

24

[C#] protected abstract RowUpdatingEventArgs **IDbCommand** CreateRowUpdatingEvent(DataRow dataRow, command, DataTableMapping tableMapping); StatementType statementType, [C++]protected: virtual RowUpdatingEventArgs* CreateRowUpdatingEvent(DataRow* dataRow, IDbCommand* command, statementType, DataTableMapping* tableMapping) StatementType MustOverride Protected Function CreateRowUpdatingEvent(ByVal [VB] dataRow As DataRow, ByVal command As IDbCommand, ByVal statementType tableMapping DataTableMapping) StatementType, ByVal As As As RowUpdatingEventArgs [JScript] protected abstract function CreateRowUpdatingEvent(dataRow:

Description

DataRow,

tableMapping

Initializes a new instance of the System.Data.Common.RowUpdatingEventArgs class.

IDbCommand,

DataTableMapping)

statementType :

StatementType,

RowUpdatingEventArgs;

lee@haves at: 509-124-9256 537 MS1-864US.APP

Return Value: of the Α new instance System.Data.Common.RowUpdatingEventArgs class. 2 When overridding 3 System.Data.Common.DbDataAdapter.CreateRowUpdatingEvent(System.Da 4 ta.DataRow,System.Data.IDbCommand,System.Data.StatementType,System. 5 Data.Common.DataTableMapping) in a derived class, be sure to call the base 6 class's 7 System.Data.Common.DbDataAdapter.CreateRowUpdatingEvent(System.Da 8 ta.DataRow,System.Data.IDbCommand,System.Data.StatementType,System. 9 Data.Common.DataTableMapping) method. The System.Data.DataRow that 10 updates the data source. The System.Data.IDbCommand to execute during the 11 System.Data.IDataAdapter.Update(System.Data.DataSet). Whether the 12 command is an UPDATE, INSERT, DELETE, or SELECT statement. A 13 System.Data.Common.DataTableMapping object. 14 Fill 15 16 public override Fill(DataSet dataSet); [C#] int 17 [C++]public: int Fill(DataSet* dataSet); 18 [VB] Overrides Public Function Fill(ByVal dataSet As DataSet) As Integer 19 [JScript] public override function Fill(dataSet DataSet) int; 20 21 Description 22 Adds or refreshes rows in the System. Data. DataSet to match those in the 23 System.Data.DataSet data source using the name. and creates 24 System.Data.DataTable "Table". named 25

Return Value: The number of rows successfully added to or refreshed in the System.Data.DataSet. This does not include rows affected by statements that do not return rows.

The

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) method retrieves the data from the data source using a SELECT statement. The System.Data.IDbConnection object associated with the select command must be valid, but it does not need to be open. If the System.Data.IDbConnection is closed before System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it is opened to retrieve data, then closed. If the connection is open before System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it remains open. A System.Data.DataSet to fill with records and, if necessary, schema.

Fill

Fill(DataTable dataTable); public int [C#] [C++]int Fill(DataTable* dataTable); public: [VB] Public Function Fill(ByVal dataTable As DataTable) As Integer [JScript] public function Fill(dataTable : DataTable) : int; Adds or refreshes rows the System.Data.DataSet to match those in the data source. in

Description

Adds or refreshes rows in a **System.Data.DataTable** to match those in the data source using the **System.Data.DataTable** name.

lee@haves ox 509-324-9256 539 MSJ-864US.APP

Return Value: The number of rows successfully added to or refreshed in the System.Data.DataTable. This does not include rows affected by statements that do not return rows.

The

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) method retrieves rows from the data source using the SELECT statement specified by an associated System.Data.IDbDataAdapter.SelectCommand property. The connection object associated with the SELECT statement must be valid, but it does not need to be open. If the connection is closed before System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it is opened to retrieve data, then closed. If the connection is open before System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it remains open. A System.Data.DataTable to fill with records and, if necessary, schema.

Fill

[C#] public int Fill(DataSet dataSet, string srcTable); [C++]public: Fill(DataSet* dataSet, String* srcTable); int [VB] Public Function Fill(ByVal dataSet As DataSet, ByVal srcTable As String) As Integer [JScript] public function Fill(dataSet : DataSet, srcTable : String) : int;

Description

Adds or refreshes rows in the **System.Data.DataSet** to match those in the data source using the **System.Data.DataSet** and **System.Data.DataTable** names.

Return Value: The number of rows successfully added to or refreshed in the System.Data.DataSet. This does not include rows affected by statements that do not return rows.

The

System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) method retrieves the data from the data source using a SELECT statement. The System.Data.IDbConnection object associated with the select command must be valid, but it does not need to be open. If the System.Data.IDbConnection is closed before System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it is opened to retrieve data, then closed. If the connection is open before System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it remains open. A System.Data.DataSet to fill with records and, if necessary, schema. The name of the source table to use for table mapping.

Fill

[C#] protected virtual int Fill(DataTable dataTable, IDataReader dataReader);
[C++] protected: virtual int Fill(DataTable* dataTable, IDataReader* dataReader);
[VB] Overridable Protected Function Fill(ByVal dataTable As DataTable, ByVal dataReader As IDataReader) As Integer
[JScript] protected function Fill(dataTable: DataTable, dataReader: IDataReader)
: int;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

Adds or refreshes rows in a **System.Data.DataTable** to match those in the data source using the specified **System.Data.DataTable** and **System.Data.IDataReader** names.

Return Value: The number of rows successfully added to or refreshed in the System.Data.DataTable. This does not include rows affected by statements that do not return rows.

The

System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) retrieves rows from the data source using the SELECT statement specified by an System.Data.IDbDataAdapter.SelectCommand connection object associated with the SELECT statement must be valid, but it If the connection is closed before does not need be open. to System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it is opened to retrieve data, then closed. If the connection is open before System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it remains open. A System. Data. Data Table to fill with records and, if necessary, schema. The name of the System.Data.IDataReader.

Fill

19

20

21

22

23

24

[C#] protected virtual int Fill(DataTable dataTable, IDbCommand command, CommandBehavior behavior);
[C++] protected: virtual int Fill(DataTable* dataTable, IDbCommand* command, CommandBehavior behavior);
[VB] Overridable Protected Function Fill(ByVal dataTable As DataTable, ByVal

command As IDbCommand, ByVal behavior As CommandBehavior) As Integer

[JScript] protected function Fill(dataTable : DataTable, command : IDbCommand, behavior : CommandBehavior) : int;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Adds or refreshes rows in a System.Data.DataTable to match those in the data source using the System.Data.DataTable name, the specified SQL SELECT statement, and System.Data.CommandBehavior.

Return Value: The number of rows successfully added to or refreshed in the System.Data.DataTable. This does not include rows affected by statements that do not return rows.

The

System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) retrieves rows from the data source using the SELECT statement specified by an associated System.Data.IDbDataAdapter.SelectCommand The connection object associated with the SELECT statement must be valid, but it If the connection does not need to be open. is closed System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it is opened to retrieve data, then closed. If the connection is open before System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it remains open. A System.Data.DataTable to fill with records and, if necessary, schema. The SQL SELECT statement used to retrieve rows from the data source. One of the the **System.Data.CommandBehavior** values.

Fill

[C#] public int Fill(DataSet dataSet, int startRecord, int maxRecords, string

lee@hayes_pax 509-324-9256 543 MS1-864US,APP

srcTable);

[C++] public: int Fill(DataSet* dataSet, int startRecord, int maxRecords, String* srcTable);

[VB] Public Function Fill(ByVal dataSet As DataSet, ByVal startRecord As Integer, ByVal maxRecords As Integer, ByVal srcTable As String) As Integer [JScript] public function Fill(dataSet: DataSet, startRecord: int, maxRecords: int, srcTable : String) : int;

Description

Adds or refreshes rows in a specified range in the System.Data.DataSet to match those in the data source using the System.Data.DataSet and System.Data.DataTable names.

Return Value: The number of rows successfully added to or refreshed in the System.Data.DataSet. This does not include rows affected by statements that do

A maxRecords value of 0 gets all records found after the start record. If maxRecords is greater than the number of remaining rows, only the remaining rows are returned and no error is issued. A **System.Data.DataSet** to fill with records and, if necessary, schema. The zero-based record number to start with. The maximum number of records to retrieve. The name of the source table to use for table mapping.

Fill

not return rows.

[C#] protected virtual int Fill(DataSet dataSet, string srcTable, IDataReader dataReader, int startRecord, int maxRecords);

lee@hayes pix 509-324-9256 544 MS1-864US.APP

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C++] protected: virtual int Fill(DataSet* dataSet, String* srcTable, IDataReader* dataReader, int startRecord. int maxRecords): [VB] Overridable Protected Function Fill(ByVal dataSet As DataSet, ByVal srcTable As String, ByVal dataReader As IDataReader, ByVal startRecord As ByVal maxRecords As Integer) As Integer Integer, [JScript] protected function Fill(dataSet : DataSet, srcTable : String, dataReader : IDataReader, startRecord int, maxRecords int) int;

Description

Adds or refreshes rows in a specified range in the System.Data.DataSet to those in the data source using the System.Data.DataSet , System.Data.DataTable System.Data.IDataReader and names. Return Value: The number of rows successfully added to or refreshed in the System.Data.DataSet. This does not include rows affected by statements that do not return rows.

The

System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) retrieves rows from the data source using the SELECT statement specified by an System.Data.IDbDataAdapter.SelectCommand property. The associated connection object associated with the SELECT statement must be valid, but it does not need to be' open. If the connection is closed System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it is opened to retrieve data, then closed. If the connection is open before System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it remains open. A System.Data.DataSet to fill with records and, if necessary,

schema. The name of the **System.Data.DataTable** to use for table mapping. The name of the **System.Data.IDataReader**. The zero-based record number to start with. The maximum number of records to retrieve.

Fill

[C#] protected virtual int Fill(DataSet dataSet, int startRecord, int maxRecords, string srcTable, IDbCommand command, CommandBehavior behavior); [C++] protected: virtual int Fill(DataSet* dataSet, int startRecord, int maxRecords, String* srcTable, IDbCommand* command, CommandBehavior behavior); [VB] Overridable Protected Function Fill(ByVal dataSet As DataSet, ByVal startRecord As Integer, ByVal maxRecords As Integer, ByVal srcTable As String, ByVal command As IDbCommand, ByVal behavior As CommandBehavior) As Integer

[JScript] protected function Fill(dataSet : DataSet, startRecord : int, maxRecords : int, srcTable : String, command : IDbCommand, behavior : CommandBehavior) : int;

Description

Adds or refreshes rows in a specified range in the System.Data.DataSet to match those in the data source using the System.Data.DataSet and source table names, command string and command behavior.

Return Value: The number of rows successfully added to or refreshed in the System.Data.DataSet. This does not include rows affected by statements that do not return rows.

The

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) retrieves rows from the data source using the SELECT statement specified by an The associated System.Data.IDbDataAdapter.SelectCommand property. connection object associated with the SELECT statement must be valid, but it be open. If the connection is closed not need to System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it is opened to retrieve data, then closed. If the connection is open before System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) is called, it remains open. A System.Data.DataSet to fill with records and, if necessary, schema. The zero-based record number to start with. The maximum number of records to retrieve. The name of the source table to use for table mapping. The SQL SELECT statement used to retrieve rows from the data source. One of the the System.Data.CommandBehavior values.

FillSchema

[C#] pu	iblic ov	erride D	ataTable[]	FillSchema(I	DataSet	dataSet,	SchemaType
schemal	Type);						
[C++]	public:	DataTa	ıble* Fill	Schema(Data	Set*	dataSet,	SchemaType
schemaT	Гуре)						[]
[VB] O	verrides	Public F	unction Fil	lSchema(ByV	'al data	Set As D	ataSet, ByVa
schemaT	Гуре	As	Sc	hemaType)	1	As	DataTable()
[JScript]	public	override	function F	illSchema(dat	taSet:	DataSet,	schemaType
Schema	Гуре)			:			DataTable[]

Description

Adds a System.Data.DataTable named "Table" to the specified System.Data.DataSet and configures the schema to match that in the data source based on the specified System.Data.SchemaType .

Return Value: A reference to a collection of System.Data.DataTable objects that were added to the System.Data.DataSet .

This method retrieves the schema information from the data source using the System.Data.IDbDataAdapter.SelectCommand. A System.Data.DataSet to insert the schema in. One of the System.Data.SchemaType values that specify how to insert the schema.

FillSchema

[C#] public DataTable FillSchema(DataTable dataTable, SchemaType schemaType);

[C++] public: DataTable* FillSchema(DataTable* dataTable, SchemaType

[C++] public: DataTable* FillSchema(DataTable* dataTable, SchemaType schemaType);

[VB] Public Function FillSchema(ByVal dataTable As DataTable, ByVal schemaType As SchemaType) As DataTable [JScript] public function FillSchema(dataTable : DataTable, schemaType : SchemaType) : DataTable; Adds a System.Data.DataTable to a System.Data.DataSet and configures the schema to match that in the data source.

Description

Configures the schema of the specified System.Data.DataTable based on specified System.Data.SchemaType the Return Value: A System.Data.DataTable that contains schema information returned from the data source.

The

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.Common.DbDataAdapter.FillSchema(System.Data.DataTable,S ystem.Data.SchemaType) method retrieves the schema from the data source using the System.Data.IDbDataAdapter.SelectCommand. The connection object associated with the System.Data.IDbDataAdapter.SelectCommand must be valid, but it does not need to be open. If the connection is closed before System.Data.Common.DbDataAdapter.FillSchema(System.Data.DataTable,S ystem.Data.SchemaType) is called, it is opened to retrieve data, then closed. If connection before the is open System.Data.Common.DbDataAdapter.FillSchema(System.Data.DataTable,S called, it The ystem.Data.SchemaType) is remains open. System.Data.DataTable to be filled with the schema from the data source. One of the System. Data. Schema Type values.

FillSchema

[C#] public DataTable[] FillSchema(DataSet dataSet, SchemaType, string dataSet, [C++]public: DataTable* FillSchema(DataSet*

String* srcTable) schemaType, [];

srcTable);

SchemaType

[VB] Public Function FillSchema(ByVal dataSet As DataSet, ByVal schemaType

SchemaType, ByVal srcTable As String) As DataTable() As

549 lee@hayes pac 509-324-9256 MS1-864US.APP [JScript] public function FillSchema(dataSet : DataSet, schemaType : SchemaType, srcTable : String) : DataTable[];

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Adds a System.Data.DataTable to the specified System.Data.DataSet and configures the schema to match that in the data source based upon the specified System.Data.SchemaType and System.Data.DataTable .

Return Value: A reference to a collection of System.Data.DataTable objects that were added to the System.Data.DataSet .

This method retrieves the schema information from the data source using the System.Data.IDbDataAdapter.SelectCommand. A System.Data.DataSet to insert the schema in. One of the System.Data.SchemaType values that specify how to insert the schema. The name of the source table to use for table mapping.

FillSchema

[C#] protected virtual DataTable FillSchema(DataTable dataTable, SchemaType schemaType, **IDbCommand** CommandBehavior behavior); command. [C++] protected: virtual DataTable* FillSchema(DataTable* dataTable, SchemaType schemaType, IDbCommand* command, CommandBehavior behavior);

[VB] Overridable Protected Function FillSchema(ByVal dataTable As DataTable, ByVal schemaType As SchemaType, ByVal command As IDbCommand, ByVal behavior As CommandBehavior) As DataTable [JScript] protected function FillSchema(dataTable : DataTable, schemaType : SchemaType, command : IDbCommand, behavior : CommandBehavior) :

DataTable;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Adds a **System.Data.DataTable** to a **System.Data.DataSet** and configures the schema to match that in the data source based on the specified **System.Data.SchemaType**

Return Value: An array of System.Data.DataTable objects that contain schema information returned from the data source.

The

System.Data.Common.DbDataAdapter.FillSchema(System.Data.DataTable,S ystem.Data.SchemaType) method retrieves the schema from the data source using the System.Data.IDbDataAdapter.SelectCommand. The connection object associated with the System.Data.IDbDataAdapter.SelectCommand must be valid, but it does not need to be open. If the connection is closed before System.Data.Common.DbDataAdapter.FillSchema(System.Data.DataTable,S ystem.Data.SchemaType) is called, it is opened to retrieve data, then closed. If is before the connection open System.Data.Common.DbDataAdapter.FillSchema(System.Data.DataTable,S is called, it remains The ystem.Data.SchemaType) open. System.Data.DataTable to be filled with the schema from the data source. One of the System. Data. Schema Type values. The SQL SELECT statement used to retrieve rows from the data source. One of the the System.Data.CommandBehavior values.

FillSchema

[C#] protected virtual DataTable[] FillSchema(DataSet dataSet, SchemaType schemaType, IDbCommand command, string srcTable, CommandBehavior behavior);

[C++] protected: virtual DataTable* FillSchema(DataSet* dataSet, SchemaType schemaType, IDbCommand* command, String* srcTable, CommandBehavior behavior)

[VB] Overridable Protected Function FillSchema(ByVal dataSet As DataSet, ByVal schemaType As SchemaType, ByVal command As IDbCommand, ByVal srcTable As String, ByVal behavior As CommandBehavior) As DataTable() [JScript] protected function FillSchema(dataSet : DataSet, schemaType : SchemaType, command : IDbCommand, srcTable : String, behavior : CommandBehavior) : DataTable[];

Description

Adds a **System.Data.DataTable** to the specified **System.Data.DataSet** and configures the schema to match that in the data source based on the specified **System.Data.SchemaType**.

Return Value: An array of System.Data.DataTable objects that contain schema information returned from the data source.

The

System.Data.Common.DbDataAdapter.FillSchema(System.Data.DataTable,S ystem.Data.SchemaType) method retrieves the schema from the data source using the System.Data.IDbDataAdapter.SelectCommand. The connection object associated with the System.Data.IDbDataAdapter.SelectCommand must

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

be valid, but it does not need to be open. If the connection is closed before System.Data.Common.DbDataAdapter.FillSchema(System.Data.DataTable,S ystem.Data.SchemaType) is called, it is opened to retrieve data, then closed. If is before the connection open System.Data.Common.DbDataAdapter.FillSchema(System.Data.DataTable,S ystem.Data.SchemaType) is called, it remains open. The System.Data.DataSet from be filled with the schema the data source. One of to the System. Data. Schema Type values. The SQL SELECT statement used to retrieve rows from the data source. The name of the source table to use for table mapping. One of the the System.Data.CommandBehavior values.

GetFillParameters

[C#] public override IDataParameter[] GetFillParameters();
[C++] public: IDataParameter* GetFillParameters() [];
[VB] Overrides Public Function GetFillParameters() As IDataParameter()
[JScript] public override function GetFillParameters() : IDataParameter[];

Description

Gets the parameters set by the user when executing an SQL SELECT statement.

Return Value: An array of System.Data.IDataParameter objects that contains the parameters set by the user.

OnFillError

[C#] protected virtual void OnFillError(FillErrorEventArgs value);

1	[C++] protected: virtual void OnFillError(FillErrorEventArgs* value);
2	[VB] Overridable Protected Sub OnFillError(ByVal value As FillErrorEventArgs)
3	[JScript] protected function OnFillError(value : FillErrorEventArgs);
4	
5	Description
6	Raises the System.Data.Common.DbDataAdapter.FillError event.
7	Raising an event invokes the event handler through a delegate. For an
8	overview, see . A System.Data.FillErrorEventArgs that contains the event data.
9	OnRowUpdated
10	
11	[C#] protected abstract void OnRowUpdated(RowUpdatedEventArgs value);
12	[C++] protected: virtual void OnRowUpdated(RowUpdatedEventArgs* value) =
13	0;
14	[VB] MustOverride Protected Sub OnRowUpdated(ByVal value As
15	RowUpdatedEventArgs)
16	[JScript] protected abstract function OnRowUpdated(value :
17	RowUpdatedEventArgs);
18	
19	Description
20	Raises the RowUpdated event of a .NET data provider.
21	Raising an event invokes the event handler through a delegate. For an
22	overview, see . A System.Data.Common.RowUpdatedEventArgs that contains
23	the event data.
24	OnRowUpdating
25	

[C#] pro	otected abstrac	t void OnR	.owUpdating(I	RowUpdatingEvent	Args val	ue);
[C++] pr	otected: virtual	void OnRov	wUpdating(Ro	wUpdatingEventAr	gs* valu	e) =
0;						
[VB]	MustOverride	Protected	Sub OnRo	wUpdating(ByVal	value	As
RowUpd	atingEventArg	s)				
[JScript]	protected	abstract	function	OnRowUpdating	g(value	:
RowUpd	atingEventArg	s);				

Description

Raises the RowUpdating event of a .NET data provider.

Raising an event invokes the event handler through a delegate. For an overview, see . An System.Data.OleDb.OleDbRowUpdatingEventArgs that contains the event data.

Update

[C#]	public	in	t	Update(Dat	taRo	w[]	data	aRo	ws);
[C++]	public	: in	nt	Update(Dat	aRo	w* •	dataF	₹ow:	s[]);
[VB] Publ	ic Functi	on Update	e(ByVal	dataRows()	As	DataRow)	As	Inte	eger
[JScript]	public	function	Update	e(dataRows	:	DataRow[])	:	int;

Description

Calls the respective INSERT, UPDATE, or DELETE statements for each inserted, updated, or deleted row in the specified array of **System.Data.DataRow** objects.

lee@hayes_øx 509-324-9256 555 MS1-864US.APP

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Return Value: The number of rows successfully updated from the System.Data.DataSet.

When application calls the an System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) method, System.Data.Common.DbDataAdapter examines the System.Data.DataRow.RowState property, and executes the required INSERT, UPDATE, or DELETE statements based on the order of the indexes configured in the System.Data.DataSet For example, System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) execute a DELETE statement, followed by an INSERT statement, and then another DELETE statement, due to the ordering of the rows in the System.Data.DataTable application call the An can System.Data.DataSet.GetChanges method in situations where you must control the sequence of statement types (for example, INSERTs before UPDATEs). For more information, see . An array of System.Data.DataRow objects used to update the data source.

Update

[C#] public override int Update(DataSet dataSet); Update(DataSet* [C++]public: int dataSet); [VB] Overrides Public Function Update(ByVal dataSet As DataSet) As Integer [JScript] public override function Update(dataSet : DataSet) : int; Calls the respective INSERT, UPDATE, or DELETE statements for each inserted, updated, or deleted row in the System.Data.DataSet from a System.Data.DataTable "Table". named

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Calls the respective INSERT, UPDATE, or DELETE statements for each inserted, updated, or deleted row in the specified **System.Data.DataSet**.

Return Value: The number of rows successfully updated from the **System.Data.DataSet**.

application When an calls the System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) method, System.Data.Common.DbDataAdapter examines the the System.Data.DataRow.RowState property, and executes the required INSERT, UPDATE, or DELETE statements based on the order of the indexes configured in System.Data.DataSet For example, the System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) might execute a DELETE statement, followed by an INSERT statement, and then another DELETE statement, due to the ordering of the rows in the System.Data.DataTable application call the An can System.Data.DataSet.GetChanges method in situations where you must control the sequence of statement types (for example, INSERTs before UPDATEs). For more information, see . The **System.Data.DataSet** used to update the data source.

Update

[C#] public int Update(DataTable dataTable); Update(DataTable* [C++]public: int dataTable); [VB] Public Function Update(ByVal dataTable As DataTable) As Integer [JScript] public function Update(dataTable DataTable) int;

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

Calls the respective INSERT, UPDATE, or DELETE statements for each inserted, updated, or deleted row in the specified **System.Data.DataTable**.

Return Value: The number of rows successfully updated from the **System.Data.DataSet**.

When calls an application the System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) method, the System.Data.Common.DbDataAdapter examines the System.Data.DataRow.RowState property, and executes the required INSERT, UPDATE, or DELETE statements based on the order of the indexes configured in For the System.Data.DataSet example, System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) execute a DELETE statement, followed by an INSERT statement, and then another DELETE statement, due to the ordering of the rows in the call the System.Data.DataTable application An can System.Data.DataSet.GetChanges method in situations where you must control the sequence of statement types (for example, INSERTs before UPDATEs). For more information, see . The System.Data.DataTable used to update the data source.

Update

22

24

25

[C#] protected virtual int Update(DataRow[] dataRows, DataTableMapping tableMapping);

[C++] protected: virtual int Update(DataRow* dataRows[], DataTableMapping*

tableMapping);

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[VB] Overridable Protected Function Update(ByVal dataRows() As DataRow,
ByVal tableMapping As DataTableMapping) As Integer
[JScript] protected function Update(dataRows : DataRow[], tableMapping :
DataTableMapping) : int;

Description

Calls the respective INSERT, UPDATE, or DELETE statements for each inserted, updated, or deleted row in the specified array of **System.Data.DataRow** objects.

Return Value: The number of rows successfully updated from the System.Data.DataSet.

When application calls the an System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) method, System.Data.Common.DbDataAdapter examines the the System.Data.DataRow.RowState property, and executes the required INSERT, UPDATE, or DELETE statements based on the order of the indexes configured in the System.Data.DataSet For example, System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) execute a DELETE statement, followed by an INSERT statement, and then another DELETE statement, due to the ordering of the rows in the System.Data.DataTable An application can call the System.Data.DataSet.GetChanges method in situations where you must control the sequence of statement types (for example, INSERTs before UPDATEs). For more information, see . An array of System.Data.DataRow objects used to update

the data source. The System.Data.IDataAdapter.TableMappings collection to use.

Update

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#] public Update(DataSet dataSet, string srcTable); int Update(DataSet* String* [C++]public: int dataSet, srcTable); [VB] Public Function Update(ByVal dataSet As DataSet, ByVal srcTable As String) As Integer [JScript] public function Update(dataSet : DataSet, srcTable : String) : int;

Description

Calls the respective INSERT, UPDATE, or DELETE statements for each inserted, updated, or deleted row in the System.Data.DataSet with the specified System.Data.DataTable name.

Return Value: The number of rows successfully updated from the System.Data.DataSet.

When application calls the an System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) method, the System.Data.Common.DbDataAdapter examines the System.Data.DataRow.RowState property, and executes the required INSERT, UPDATE, or DELETE statements based on the order of the indexes configured in the System.Data.DataSet For example, System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) execute a DELETE statement, followed by an INSERT statement, and then another DELETE statement, due to the ordering of the rows in the

lee@hayes_pac 509-324-9256 560 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.DataSet.GetChanges method in situations where you must control the sequence of statement types (for example, INSERTs before UPDATEs). For more information, see . The System.Data.DataSet to use to update the data source. The name of the source table to use for table mapping.

DBDataPermission class (System.Data.Common)

Update

Description

Provides the capability for a .NET data provider to ensure that a user has a security level adequate for accessing data.

DBDataPermission

Example Syntax:

Update

[C#] protected DBDataPermission(); [C++] protected: DBDataPermission();

[VB] Protected Sub New()

[JScript] protected function DBDataPermission(); Initializes a new instance of the

System.Data.Common.DBDataPermission class.

Description

Initializes a new instance of the

System.Data.Common.DBDataPermission class.

1	DBDataPermission								
2	Example Syntax:								
3	Update								
4									
5	[C#] protected DBDataPermission(PermissionState state);								
6	[C++] protected: DBDataPermission(PermissionState state);								
7	[VB] Protected Sub New(ByVal state As PermissionState)								
8	[JScript] protected function DBDataPermission(state : PermissionState);								
9	·								
10	Description								
11	Initializes a new instance of the								
12	System.Data.Common.DBDataPermission class. One of the								
13	System.Security.Permissions.PermissionState values.								
14	DBDataPermission								
15	Example Syntax:								
16	Update								
17									
18	[C#] public DBDataPermission(PermissionState state, bool allowBlankPassword);								
19	[C++] public: DBDataPermission(PermissionState state, bool								
20	allowBlankPassword);								
21	[VB] Public Sub New(ByVal state As PermissionState, ByVal								
22	allowBlankPassword As Boolean)								
23	[JScript] public function DBDataPermission(state : PermissionState,								
24	allowBlankPassword : Boolean);								
25									

Description 2 **Initializes** instance of the a new 3 System.Data.Common.DBDataPermission class. Indicates whether a blank password is allowed. 5 AllowBlankPassword 6 Update 7 8 public AllowBlankPassword set;} [C#] bool {get; 9 [C++] public: property bool get AllowBlankPassword();public: property 10 set AllowBlankPassword(bool); void 11 Boolean [VB] **Public Property** AllowBlankPassword As 12 [JScript] public function get AllowBlankPassword(): Boolean; public function set 13 AllowBlankPassword(Boolean); 14 15 Description 16 Gets a value indicating whether a blank password is allowed. 17 Copy 18 19 **IPermission** public override Copy(); [C#] 20 Copy(); IPermission* public: [C++]21 Overrides **IPermission** [VB] Public **Function** Copy() As 22 public function IPermission; [JScript] override Copy() 23 24 Description 25

Creates and returns an identical copy of the current permission object.

Return Value: A copy of the current permission object.

A copy of a permission object represents the same access to resources as the original permission object.

FromXml

[C#] public override void FromXml(SecurityElement securityElement);
[C++] public: void FromXml(SecurityElement* securityElement);
[VB] Overrides Public Sub FromXml(ByVal securityElement As SecurityElement)

[JScript] public override function FromXml(securityElement : SecurityElement);

Description

Reconstructs a security object with a specified state from an XML encoding.

Custom code that extends security objects needs to implement the ToXml and FromXml methods to make the objects security-encodable. The XML encoding to use to reconstruct the security object.

Intersect

[C#] public override IPermission Intersect(IPermission target);
[C++] public: IPermission* Intersect(IPermission* target);
[VB] Overrides Public Function Intersect(ByVal target As IPermission) As IPermission

[JScript] public override function Intersect(target : IPermission) : IPermission;

lee@hayes ≠ 509-324-9256 564 MS1-864US.APP

Description

Returns a new permission object representing the intersection of the current permission object and the specified permission object.

Return Value: A new permission object that represents the intersection of the current permission object and the specified permission object. This new permission object is a null reference (Nothing in Visual Basic) if the intersection is empty The target parameter is not a null reference (Nothing in Visual Basic) and is not an instance of the same class as the current permission object.

The intersection of two permissions is a permission that describes the set of operations they both describe in common. Only a demand that passes both original permissions will pass the intersection. A permission object to intersect with the current permission object. It must be of the same type as the current permission object.

IsSubsetOf

[C#] public override bool IsSubsetOf(IPermission target);
[C++] public: bool IsSubsetOf(IPermission* target);
[VB] Overrides Public Function IsSubsetOf(ByVal target As IPermission) As
Boolean
[JScript] public override function IsSubsetOf(target : IPermission) : Boolean;

Description

Returns a value indicating whether the current permission object is a subset of the specified permission object.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Return Value: True if the current permission object is a subset of the specified permission object; otherwise false.

The current permission object is a subset of the specified permission object if the current permission object specifies a set of operations that is wholly contained by the specified permission object. For example, a permission that represents access to C:\example.txt is a subset of a permission that represents access to C:\. If this method returns **true**, the current permission object represents no more access to the protected resource than does the specified permission object. A permission object that is to be tested for the subset relationship. This object must be of the same type as the current permission object.

IsUnrestricted

IsUnrestricted(); public bool [C#] sealed IsUnrestricted(); [C++]public: bool NotOverridable **Function** IsUnrestricted() Boolean [VB] Public As [JScript] public function IsUnrestricted() Boolean;

Description

Returns a value indicating whether the permission can be represented as unrestricted without any knowledge of the permission semantics.

Return Value: True if the permission can be represented as unrestricted.

This is a binary permission; therefore the implementation always returns **true**.

ToXml

6

7

8

9

10

11

12

13

14

15

16

. 17

18

19

20

21

22

23

24

25

specified

[C#] public override SecurityElement ToXml(); SecurityElement* [C++]public: ToXml(); [VB] **Overrides** Public Function ToXml() As SecurityElement [JScript] public override function ToXml() SecurityElement; Description Creates an XML encoding of the security object and its current state. Return Value: An XML encoding of the security object, including any state information. Custom code that extends security objects needs to implement the System.Data.Common.DBDataPermission.ToXml and System.Data.Common.DBDataPermission.FromXml(System.Security.Securit yElement) methods to make the objects security-encodable. Union Union(IPermission [C#] public override **IPermission** target); [C++]public: IPermission* Union(IPermission* target); [VB] Overrides Public Function Union(ByVal target As IPermission) As **IPermission** [JScript] public override function Union(target : IPermission) : IPermission; Description Returns a new permission object that is the union of the current and

permission

objects.

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Return Value: A new permission object that represents the union of the current permission object and the specified permission object.

The result of a call to

System.Data.Common.DBDataPermission.Union(System.Security.IPermissio

n) is a permission that represents all of the operations represented by both the current permission object and the specified permission object. Any demand that passes either permission passes their union. A permission object to combine with the current permission object. It must be of the same type as the current permission object.

DBDataPermissionAttribute class (System.Data.Common)
Union

Description

Associates a security action with a custom security attribute.

DBDataPermissionAttribute

Example Syntax:

Union

[C#] protected DBDataPermissionAttribute(SecurityAction action); [C++] protected: DBDataPermissionAttribute(SecurityAction action); [VB] Protected Sub New(ByVal action As SecurityAction) [JScript] protected function DBDataPermissionAttribute(action : SecurityAction);

Description

Initializes instance of the new System.Data.Common.DBDataPermissionAttribute class. 2 Return Value: A System.Data.Common.DBDataPermissionAttribute object. 3 One of the the System.Security.Permissions.SecurityAction values representing 4 an action that can be performed using declarative security. 5 Action 6 AllowBlankPassword 7 Union 8 9 10 Description 11 Gets a value indicating whether a blank password is allowed. 12 TypeId 13 Unrestricted 14 DbDataRecord class (System.Data.Common) 15 **ToString** 16 17 18 Description 19 FieldCount 20 **ToString** 21 22 public [C#] FieldCount int {get;} 23 get FieldCount(); public: int [C++]property 24 As 🏖 Integer Property [VB] Public ReadOnly FieldCount

lee@hayes ≠k

[JScript] function FieldCount() public get int; 2 Description 3 Indicates the number of fields within the current record. This property is 4 read-only. 5 Item 6 **ToString** 7 8 this[string public object name] [C#] {get;} 9 public: Object* get Item(String* [C++]property name); 10 [VB] Public Default ReadOnly Property Item(ByVal name As String) As Object 11 [JScript] returnValue DbDataRecordObject.Item(name); 12 13 Description 14 Indicates the value at the specified column in its native format given the 15 column name. This property is read-only. The column name. 16 Item 17 **ToString** 18 19 public object this[int {get;} [C#] i20 public: property Object* get Item(int i); [C++]21 [VB] Public Default ReadOnly Property Item(ByVal i As Integer) As Object 22 [JScript] returnValue = DbDataRecordObject.Item(i); Indicates that value from a 23 native format. This read-only. column in its property is 24 25

Description

25

1 Description 2 Indicates the value at the specified column in its native format given the 3 column ordinal. This property is read-only. The column ordinal. GetBoolean 5 6 public bool GetBoolean(int 7 [C#] i); [C++]public: sealed GetBoolean(int bool i); 8 [VB] NotOverridable Public Function GetBoolean(ByVal i As Integer) As Boolean 10 [JScript] public function GetBoolean(i Boolean; int) 11 12 Description 13 the value of the specified column boolean. as 14 Return Value: true if the boolean is true; otherwise, false. 15 No conversions are performed, therefore the data retrieved must already be 16 a boolean. The column ordinal. 17 GetByte 18 19 GetByte(int [C#] public byte i); 20 GetByte(int [C++]public: sealed unsigned char i); 21 [VB] NotOverridable Public Function GetByte(ByVal i As Integer) As Byte 22 [JScript] public function GetByte(i int) Byte; 23 24

lee@hayes # 509-324-926 571 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Returns the value of the specified column as a byte.

Return Value: The value of the specified column.

No conversions are performed, therefore the data retrieved must already be a byte. The column ordinal.

GetBytes

[C#] public long GetBytes(int i, long dataIndex, byte[] buffer, int bufferIndex, int length);

[C++] public: sealed int64 GetBytes(int i, int64 dataIndex, unsigned char bufferIndex, buffer gc[], int int length); [VB] NotOverridable Public Function GetBytes(ByVal i As Integer, ByVal dataIndex As Long, ByVal buffer() As Byte, ByVal bufferIndex As Integer, ByVal length As Integer) As Long [JScript] public function GetBytes(i : int, dataIndex : long, buffer : Byte[], bufferIndex int, length int) long;

Description

Returns the value of the specified column as a byte array.

Return Value: The value of the specified column.

No conversions are performed, therefore the data retrieved must already be a byte array. column ordinal. point to start from within the source data. buffer to copy data into. point to start from within the buffer. max length to copy into the buffer.

GetChar

[C#]	public		char	G	etChar(int		i);
[C++]	public:	sealed		wchar_t	GetCha	ar(int	i);
[VB] NotO	verridable P	ublic Funct	tion Get(Char(ByVal	i As Inte	ger) As C	Char
[JScript]	public	function	GetCl	nar(i :	int)	: C	har;
Description							
Retu	rns the v	alue of	the spe	cified col	umn as	a charac	eter.
Return Valu	e: The value	of the speci	fied colu	mn.			
No c	onversions a	re performe	d, therefo	re the data	retrieved m	ust already	y be
a character.	The column	ordinal.					
GetC	Chars						
[C#] public	long GetCha	ars(int i, lon	g dataInd	ex, char[] b	ouffer, int b	ufferIndex	, int
length);							
[C++] publ	ic:sealed	int64 G	etChars(i	nt i,into	64 dataInde	ex, _wch	ar_t
buffer	gc[],	int	buf	ferIndex,	int	leng	;th);
[VB] NotC	verridable l	Public Func	tion Get	Chars(ByV	al i As I	nteger, By	/Val
dataIndex A	As Long, By	yVal buffer	() As Cl	nar, ByVal	bufferInde	x As Inte	ger,
ByVal	length	As		Integer)	As	L	ong
[JScript] pu	ıblic functio	n GetChars	(i : int,	dataIndex	: long, bu	ffer : Cha	ar[],
bufferIndex	:	int,	length	:	. int)	: 10	ong;
Description							

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Description

Returns the value of the specified column as a character array.

Return Value: The value of the specified column.

No conversions are performed, therefore the data retrieved must already be a character array. column ordinal. point to start from within the source data. buffer to copy data into. point to start from within the buffer. max length to copy into the buffer.

GetData

```
IDataReader
                                                     GetData(int
              public
[C#]
                                                                           i);
           public:
                          sealed
                                      IDataReader*
                                                         GetData(int
[C++]
                                                                           i);
[VB] NotOverridable Public Function GetData(ByVal i As Integer)
IDataReader
                                                                IDataReader;
[JScript]
            public
                      function
                                  GetData(i
                                                    int)
Description
      Not currently supported.
      GetDataTypeName
             public
                                            GetDataTypeName(int
[C#]
                             string
                                                                           i);
[C++]
           public:
                        sealed
                                    String*
                                                GetDataTypeName(int
                                                                          i);
[VB] NotOverridable Public Function GetDataTypeName(ByVal i As Integer) As
String
           public
                    function
                                GetDataTypeName(i
[JScript]
                                                                      String;
                                                           int)
```

of back-end data Returns the name the type. 1 Return Value: The name of the back-end data type. The column ordinal. 2 GetDateTime 3 4 public DateTime GetDateTime(int [C#] i); 5 GetDateTime(int [C++]public: sealed **DateTime** i); 6 [VB] NotOverridable Public Function GetDateTime(ByVal i As Integer) As 7 DateTime 8 GetDateTime(i DateTime; [JScript] public function int) 9 10 Description 11 Returns the value of the specified column as a System.DateTime object. 12 Return Value: The value of the specified column. 13 No conversions are performed, therefore the data retrieved must already be 14 a System.DateTime object. The column ordinal. 15 GetDecimal 16 17 GetDecimal(int [C#] public decimal i); 18 Decimal public: GetDecimal(int [C++]sealed i); 19 [VB] NotOverridable Public Function GetDecimal(ByVal i As Integer) As 20 Decimal 21 GetDecimal(i Decimal; [JScript] public function int) 22 23 Description 24 25

Returns the value of the specified column as a System. Decimal object. 1 Return Value: The value of the specified column. 2 No conversions are performed, therefore the data retrieved must already be 3 a System.Decimal object. The column ordinal. 4 GetDouble 5 6 double GetDouble(int [C#] public i); 7 public: sealed double GetDouble(int i); [C++]8 [VB] NotOverridable Public Function GetDouble(ByVal i As Integer) As Double 9 function GetDouble(i [JScript] public int) double; 10 11 Description 12 Returns the value of the specified column as a double-precision floating 13 point number. 14 Return Value: The value of the specified column. 15 No conversions are performed, therefore the data retrieved must already be 16 a double-precision floating point number. The column ordinal. 17 GetFieldType 18 19 GetFieldType(int [C#] public Type i); 20 public: sealed Type* GetFieldType(int [C++]i); 21 [VB] NotOverridable Public Function GetFieldType(ByVal i As Integer) As Type 22 [JScript] public function GetFieldType(i int) Type; 23 24 Description 25

lee@hayes pt 509-324-9256 576 MS1-864US.APP

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Returns the System. Type that is the data type of the object. Return Value: The System. Type that is the data type of the object. The column ordinal. GetFloat GetFloat(int public float i); [C#] float GetFloat(int [C++]public: sealed i); [VB] NotOverridable Public Function GetFloat(ByVal i As Integer) As Single GetFloat(i float; public function int) [JScript] Description Returns the value of the specified column as a single-precision floating number. point Return Value: The value of the specified column. No conversions are performed, therefore the data retrieved must already be a single-precision floating point number. The column ordinal. GetGuid Guid GetGuid(int [C#] public i); Guid GetGuid(int [C++]public: sealed i); [VB] NotOverridable Public Function GetGuid(ByVal i As Integer) As Guid Guid; public function GetGuid(i int) [JScript] Description

3

4

5

6

7

8

9

10

11

12

13

14

17

18

19

20

21

22

23

24

25

specified field. Returns the guid value of the Return Value: The guid value of the specified field. The index of the field to find. GetInt16 GetInt16(int [C#] public short i); public: sealed short GetInt16(int [C++]i); [VB] NotOverridable Public Function GetInt16(ByVal i As Integer) As Short GetInt16(i [JScript] public function int) Int16; Description Returns the value of the specified column as a 16-bit signed integer. Return Value: The value of the specified column. No conversions are performed, therefore the data retrieved must already be a 16-bit signed integer. The column ordinal. GetInt32 15 16 public GetInt32(int i); [C#] int [C++]public: sealed int GetInt32(int i); [VB] NotOverridable Public Function GetInt32(ByVal i As Integer) As Integer function GetInt32(i [JScript] public int) int; Description Returns the value of the specified column as a 32-bit signed integer. Return Value: The value of the specified column.

578 lee@hayes ptc 509-324-9256 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

No conversions are performed, therefore the data retrieved must already be a 32-bit signed integer. The column ordinal. GetInt64 public GetInt64(int [C#] long i); public: sealed int64 GetInt64(int [C++]i); [VB] NotOverridable Public Function GetInt64(ByVal i As Integer) As Long function GetInt64(i [JScript] public int) long; Description Returns the value of the specified column as a 64-bit signed integer. Return Value: The value of the specified column. No conversions are performed, therefore the data retrieved must already be a 64-bit signed integer. The column ordinal. GetName GetName(int [C#] public string i); [C++]public: sealed String* GetName(int i); [VB] NotOverridable Public Function GetName(ByVal i As Integer) As String GetName(i [JScript] public function int) String; Description specified column. Returns the of the name Return Value: The name of the specified column. The column ordinal.

GetOrdinal

[C#] public int GetOrdinal(string name); 2 [C++]public: sealed GetOrdinal(String* int name); 3 [VB] NotOverridable Public Function GetOrdinal(ByVal name As String) As 4 Integer 5 [JScript] public function GetOrdinal(name : String) int; 6 7 Description 8 column ordinal, given the name of the column. the 9 Return Value: The column ordinal. The name of the column. 10 GetString 11 12 public string GetString(int [C#] i); 13 public: GetString(int [C++]sealed String* i); 14 [VB] NotOverridable Public Function GetString(ByVal i As Integer) As String 15 GetString(i [JScript] public function int) String; 16 17 Description 18 value of the specified column Returns the as string. 19 Return Value: The value of the specified column. 20 No conversions are performed, therefore the data retrieved must already be 21 a string. The column ordinal. 22 GetValue 23 24 [C#] public object GetValue(int i); 25

[C++] public: Object* sealed GetValue(int i); [VB] NotOverridable Public Function GetValue(ByVal i As Integer) As Object 2 [JScript] public function GetValue(i int) Object; 3 4 Description 5 Returns the value at the specified column in its native format. The column 6 ordinal. 7 GetValues 8 9 [C#] public GetValues(object[] values); int 10 public: GetValues(Object* values [C++]sealed int __gc[]); 11 [VB] NotOverridable Public Function GetValues(ByVal values() As Object) As 12 Integer 13 [JScript] public function GetValues(values Object[]) int; 14 15 Description 16 Returns all the attribute fields in the collection for the current record. 17 *Return Value:* The number of instances of **System.Object** in the array. 18 Using this method may be more effeciant for most applications then 19 retrieving each field individually. An array of System. Object to copy the attribute 20 fields into. 21 **IsDBNull** 22 23 public IsDBNull(int bool [C#] i); 24 public: IsDBNull(int sealed bool i); 25

1	[VB] NotOverridable Public Function IsDBNull(ByVal i As Integer) As Boolean
	[JScript] public function IsDBNull(i : int) : Boolean;
2	[JScript] public function ISDS (unit) . Boolean,
3	Description
4	Used to indicate non-existant values.
5	
6	Return Value: true if the specified column is equivalent to System.DBNull;
7	otherwise, false. The column ordinal.
8	ICustomTypeDescriptor.GetAttributes
9	
10	[C#] AttributeCollection ICustomTypeDescriptor.GetAttributes();
11	[C++] AttributeCollection* ICustomTypeDescriptor::GetAttributes();
12	[VB] Function GetAttributes() As AttributeCollection Implements
13	ICustomTypeDescriptor.GetAttributes
14	[JScript] function ICustomTypeDescriptor.GetAttributes(): AttributeCollection;
15	ICustomTypeDescriptor.GetClassName
16	
17	[C#] string ICustomTypeDescriptor.GetClassName();
18	[C++] String* ICustomTypeDescriptor::GetClassName();
19	[VB] Function GetClassName() As String Implements
20	ICustomTypeDescriptor.GetClassName
21	[JScript] function ICustomTypeDescriptor.GetClassName(): String;
22	ICustomTypeDescriptor.GetComponentName
23	
24	[C#] string ICustomTypeDescriptor.GetComponentName();
25	[C++] String* ICustomTypeDescriptor::GetComponentName();

1	[VB]	Function	GetComponent	Name()	As	String	Implements
2	ICuston	nTypeDescript	tor.GetComponent	Name			
3	[JScript] function ICu	stomTypeDescript	tor.GetCo	mponent	Name() : St	tring;
4	I	CustomTypeD	Descriptor.GetConv	verter			
5							
6	[C#]	Туре	Converter	ICusto	mTypeDe	escriptor.Ge	etConverter();
7	[C++]	ТуреС	Converter*	ICustor	nTypeDe	scriptor::Ge	etConverter();
8	[VB]	Function	GetConverter()	As	TypeC	onverter	Implements
9	ICuston	nTypeDescrip	tor.GetConverter				
10	[JScript] function ICu	stomTypeDescrip	tor.GetCo	onverter()	: TypeCon	verter;
11	I	CustomTypeI	Descriptor.GetDefa	ultEvent			
12							
13	[C#]	EventDe	escriptor I	CustomT	ypeDesci	riptor.GetDe	efaultEvent();
14	[C++]	EventDe	escriptor* IC	CustomTy	/peDescri	ptor::GetDe	efaultEvent();
15	[VB]	Function	GetDefaultEvent() As	EventD	Descriptor	Implements
16	ICuston	nTypeDescrip	tor.GetDefaultEve	nt			
17	[JScript] function ICu	stomTypeDescrip	tor.GetDe	efaultEve	nt(): Event	Descriptor;
18	I	CustomTypeI	Descriptor.GetDefa	ultPrope	rty		
19							
20	[C#]	PropertyDe	escriptor ICu	stomTyp	eDescript	or.GetDefa	ultProperty();
21	[C++]	PropertyDe	escriptor* ICus	stomType	Descripto	or::GetDefa	ultProperty();
22	[VB]	Function G	etDefaultProperty() As	Property	Descriptor	Implements
23	ICuston	nTypeDescrip	tor.GetDefaultProp	perty			
24	[JScript] function	on ICustomT	ypeDesci	riptor.Get	DefaultPro _l	perty() :
25	Property	Descriptor;					

ICustomTypeDescriptor.GetEditor 2 [C#] object ICustomTypeDescriptor.GetEditor(Type editorBaseType); 3 [C++]Object* ICustomTypeDescriptor::GetEditor(Type* editorBaseType); [VB] Function GetEditor(ByVal editorBaseType As Type) As Object Implements 5 ICustomTypeDescriptor.GetEditor 6 [JScript] function ICustomTypeDescriptor.GetEditor(editorBaseType: Type): 7 Object; 8 ICustomTypeDescriptor.GetEvents 9 10 ICustomTypeDescriptor.GetEvents(); [C#] EventDescriptorCollection 11 ICustomTypeDescriptor::GetEvents(); EventDescriptorCollection* [C++]12 **Function** EventDescriptorCollection **Implements** [VB] GetEvents() As 13 ICustomTypeDescriptor.GetEvents 14 function ICustomTypeDescriptor.GetEvents() [JScript] 15 EventDescriptorCollection; 16 ICustomTypeDescriptor.GetEvents 17 18 19 attributes); 20 [C++] EventDescriptorCollection* ICustomTypeDescriptor::GetEvents(Attribute* 21 attributes[]); 22 GetEvents(ByVal attributes() Attribute) [VB] Function As 23 EventDescriptorCollection ICustomTypeDescriptor.GetEvents **Implements** 24

1	[IScript] function [CustomTypeDescriptor.GetEvents(attributes : Attribute[]) :
2	EventDescriptorCollection;
3	ICustomTypeDescriptor.GetProperties
4	
5	[C#] PropertyDescriptorCollection ICustomTypeDescriptor.GetProperties();
6	[C++] PropertyDescriptorCollection* ICustomTypeDescriptor::GetProperties();
7	[VB] Function GetProperties() As PropertyDescriptorCollection Implements
8	ICustomTypeDescriptor.GetProperties
9	[JScript] function ICustomTypeDescriptor.GetProperties() :
10	PropertyDescriptorCollection;
11	ICustomTypeDescriptor.GetProperties
12	
13	[C#] PropertyDescriptorCollection
14	ICustomTypeDescriptor.GetProperties(Attribute[] attributes);
15	[C++] PropertyDescriptorCollection*
16	ICustomTypeDescriptor::GetProperties(Attribute* attributes[]);
17	[VB] Function GetProperties(ByVal attributes() As Attribute) As
18	PropertyDescriptorCollection Implements ICustomTypeDescriptor.GetProperties
19	[JScript] function ICustomTypeDescriptor.GetProperties(attributes : Attribute[]) :
20	PropertyDescriptorCollection;
21	ICustomTypeDescriptor.GetPropertyOwner
22	
]	[C#] shipet [Cystem Tyme Decementer Cet Property Oxymer (Property Decements and)
23	[C#] object ICustomTypeDescriptor.GetPropertyOwner(PropertyDescriptor pd);
23	[C++] Object* ICustomTypeDescriptor::GetPropertyOwner(PropertyDescriptor*

lee@hayes pt 509-324-9256 585 . MS1-864US.APP

```
[VB] Function GetPropertyOwner(ByVal pd As PropertyDescriptor) As Object
                                         ICustomTypeDescriptor.GetPropertyOwner
    Implements
2
                                ICustomTypeDescriptor.GetPropertyOwner(pd
    [JScript]
                  function
3
    PropertyDescriptor): Object;
           DbEnumerator class (System.Data.Common)
5
           ToString
6
7
8
    Description
9
          DbEnumerator
10
           Example Syntax:
11
           ToString
12
13
                    public
    [C#]
                                     DbEnumerator(IDataReader
                                                                            reader);
14
                    public:
                                     DbEnumerator(IDataReader*
                                                                            reader);
    [C++]
15
                                  New(ByVal
    [VB]
              Public ·
                          Sub
                                                   reader
                                                               As
                                                                      IDataReader)
16
    [JScript] public function DbEnumerator(reader: IDataReader);
17
           Current
18
          ToString
19
20
    [C#]
                     public
                                       object
                                                          Current
                                                                              {get;}
21
                                                     Object*
                  public:
                                                                      get Current();
    [C++]
                                    property
22
                          ReadOnly
                                                                             Object
    [VB]
               Public
                                         Property
                                                        Current
                                                                     As
23
                  public
    [JScript]
                               function
                                                      Current()
                                                                            Object;
                                             get
24
25
```

Description 2 MoveNext 3 4 public MoveNext(); [C#] bool 5 public: sealed bool MoveNext(); [C++]6 NotOverridable **Function** MoveNext() **Public** [VB] Boolean As [JScript] public MoveNext() function Boolean; 8 9 Description 10 Reset 11 12 public void Reset(); [C#] 13 public: sealed void [C++]Reset(); 14 NotOverridable [VB] Public Sub Reset() 15 [JScript] public function Reset(); 16 17 Description 18 RowUpdatedEventArgs class (System.Data.Common) 19 **ToString** 20 21 22 Description 23 Provides data for the RowUpdated event of a .NET data provider. 24 25

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

The RowUpdated event message is typically raised when an System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) to a row is completed.

RowUpdatedEventArgs

Example Syntax:

ToString

[C#] protected RowUpdatedEventArgs(DataRow dataRow, IDbCommand command, StatementType statementType, DataTableMapping tableMapping); [C++] protected: RowUpdatedEventArgs(DataRow* dataRow, IDbCommand* command, StatementType statementType, DataTableMapping* tableMapping); [VB] Protected Sub New(ByVal dataRow As DataRow, ByVal command As IDbCommand, ByVal statementType As StatementType, ByVal tableMapping As DataTableMapping)

[JScript] protected function RowUpdatedEventArgs(dataRow : DataRow, command : IDbCommand, statementType : StatementType, tableMapping : DataTableMapping);

Description

of the Initializes instance a new System.Data.Common.RowUpdatedEventArgs class. The System.Data.DataRow sent through an System.Data.Common.DbDataAdapter.Update(System.Data.DataSet). The when System.Data.IDbCommand executed System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) is

1	called. The type of SQL statement executed. The
2	System.Data.Common.DataTableMapping sent through an
3	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet).
4	Command
5	ToString
6	
7	[C#] public IDbCommand Command {get;}
8	[C++] public:property IDbCommand* get_Command();
9	[VB] Public ReadOnly Property Command As IDbCommand
10	[JScript] public function get Command() : IDbCommand;
11	
12	Description
13	Gets the System.Data.IDbCommand executed when
14	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) is
15	called.
16	Errors
17	ToString
18	
19	[C#] public Exception Errors {get; set;}
20	[C++] public:property Exception* get_Errors();public:property void
21	set_Errors(Exception*);
22	[VB] Public Property Errors As Exception
23	[JScript] public function get Errors() : Exception; public function set
24	Errors(Exception);
25	

_	. 1								
	2	Description	n						
	3	Gets	s any er	rors generated	l by the	.NET data	provider	when	the
	4	System.Da	ita.Comm	on.RowUpdate	edEventAr	gs.Comman	d was exec	cuted.	
	5	Rec	ordsAffect	ted					
	6	ToS	tring						
	7								
	8	[C#]	publi	c in	t	RecordsAff	ected	{ge	et;}
1	9	[C++]	public:	prop	erty	int g	get_Record	sAffecte	d();
und wall ban ball ball ball ba	10	[VB] P	ublic F	ReadOnly P	roperty	RecordsAffe	ected A	s Inte	ger
	11	[JScript]	public	function	get	RecordsAf	fected()	:	int;
,	12								
	13	Description	n						
	14	Gets	s the numb	per of rows cha	inged, inser	ted, or delet	ed by exec	cution of	the
	15	SQL staten	nent.						
	16	Row	V						
	17	ToS	tring						
	18					•			
	19	[C#]	pub	lic	DataRow	F	Row	{ge	et;}
	20	[C++]	public	:pr	operty	DataRov	V*	get_Rov	v();
	21	[VB]	Public	ReadOnly	Property	Row	As	DataR	low
	22	[JScript]	public	function	get	Row()	:	DataRo	ow;
	23								
	24	Description	n						
	25								

Gets the System.Data.DataRow sent through an 1 System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) . 2 StatementType 3 **ToString** 4 5 [C#] StatementType StatementType public {get;} 6 get StatementType(); [C++]public: property StatementType 7 **Public** ReadOnly Property StatementType StatementType [VB] As 8 [JScript] public function get StatementType() StatementType; : 9 10 Description 11 Gets the type of SQL statement executed. 12 System.Data.Common.RowUpdatedEventArgs.StatementType can be 13 one of the following values: Select Insert Update Delete 14 Status 15 **ToString** 16 17 [C#] public UpdateStatus Status {get; set;} 18 [C++] public: property UpdateStatus get Status();public: property void 19 set Status(UpdateStatus); 20 [VB] Public Property Status As **UpdateStatus** 21 [JScript] public function get Status() : UpdateStatus; public function set 22 Status(UpdateStatus); 23 24 Description 25

the Gets the System.Data.UpdateStatus of System.Data.Common.RowUpdatedEventArgs.Command . 2 **TableMapping** 3 **ToString** 4 5 [C#] public DataTableMapping **TableMapping** {get;} 6 [C++]public: property DataTableMapping* get TableMapping(); 7 Public ReadOnly Property TableMapping As DataTableMapping [VB] 8 [JScript] public function TableMapping() DataTableMapping; get 9 10 Description 11 Gets the System.Data.Common.DataTableMapping sent through an 12 $System. Data. Common. DbDataAdapter. Update (System. Data. DataSet) \ .$ 13 RowUpdatingEventArgs class (System.Data.Common) 14 **ToString** 15 16 17 Description 18 Provides the data for the **RowUpdating** event of a .NET data provider. 19 event is typically raised just before The RowUpdating an 20 System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) a 21 row begins. 22 RowUpdatingEventArgs 23 Example Syntax: 24 **ToString** 25

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

[C#] protected RowUpdatingEventArgs(DataRow dataRow, IDbCommand command, StatementType statementType, DataTableMapping tableMapping); [C++] protected: RowUpdatingEventArgs(DataRow* dataRow, IDbCommand* command, StatementType statementType, DataTableMapping* tableMapping); [VB] Protected Sub New(ByVal dataRow As DataRow, ByVal command As IDbCommand, ByVal statementType As StatementType, ByVal tableMapping As DataTableMapping)

[JScript] protected function RowUpdatingEventArgs(dataRow : DataRow, command : IDbCommand, statementType : StatementType, tableMapping : DataTableMapping);

Description

Initializes instance of the new System.Data.Common.RowUpdatingEventArgs class. The System.Data.DataRow to System.Data.Common.DbDataAdapter.Update(System.Data.DataSet). The System.Data.IDbCommand to execute when System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) is called. The of The type SQL statement to execute. System.Data.Common.DataTableMapping to send through an System.Data.Common.DbDataAdapter.Update(System.Data.DataSet).

Command

ToString

25

Command public **IDbCommand** [C#] {get; set;} [C++] public: property IDbCommand* get Command();public: property void set Command(IDbCommand*); Command **IDbCommand** [VB] **Public Property** As 5 [JScript] public function get Command(): IDbCommand; public function set Command(IDbCommand); 7 8 Description 9 System.Data.IDbCommand during the execute Gets 10 System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) 11 operation. 12 **Errors** 13 **ToString** 14 15 public Exception **Errors** {get; set;} [C#] 16 [C++] public: property Exception* get Errors();public: property void 17 set Errors(Exception*); 18 Public **Errors** Exception [VB] Property As 19 [JScript] public function get Errors(): Exception; public function set 20 Errors(Exception); 21 22 Description 23 Gets any errors generated by the .NET data provider when the 24 System.Data.Common.RowUpdatedEventArgs.Command executes. 25

Status

25

Row 1 **ToString** 2 3 [C#] public **DataRow** Row {get;} 4 public: DataRow* [C++]property get Row(); 5 [VB] **Public** ReadOnly **Property** Row **DataRow** As 6 [JScript] public function 7 get Row() DataRow; 8 Description 9 Gets the System.Data.DataRow send through 10 an System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) . 11 StatementType 12 **ToString** 13 14 [C#] public StatementType StatementType {get;} 15 [C++]public: property StatementType get StatementType(); 16 **Public** ReadOnly **Property** [VB] StatementType As StatementType 17 [JScript] public function get StatementType() StatementType; 18 19 Description 20 Gets the type of SQL statement to execute. 21 System.Data.Common.RowUpdatingEventArgs.StatementType can be 22 one of the following values: Select Insert Update Delete Indicates the type of SQL 23 command to execute. This property is read-only. 24

lee@hayes pk 509-324-9256 595 MS1-864US.APP

ToString

[C#] public UpdateStatus Status {get; set;}

[C++] public: __property UpdateStatus get_Status();public: __property void set Status(UpdateStatus);

[VB] Public Property Status As UpdateStatus

[JScript] public function get Status() : UpdateStatus; public function set

Status(UpdateStatus);

Description

Gets the System.Data.UpdateStatus of the

System.Data.OleDb

Description

The System.Data.OleDb namespace is the OLE DB .NET Data Provider.

OleDbCommand class (System.Data.OleDb)

Description

Represents a SQL statement or stored procedure to execute at a data source.

1	When an instance of System.Data.OleDb.OleDbCommand is created, the
2	read/write properties are set to their initial values. For a list of these values, see the
3	System.Data.OleDb.OleDbCommand constructor.
4	Constructors:
5	OleDbCommand
6	Example Syntax:
7	
8	[C#] public OleDbCommand();
9	[C++] public: OleDbCommand();
10	[VB] Public Sub New()
11	[JScript] public function OleDbCommand(); Initializes a new instance of the
12	System.Data.OleDb.OleDbCommand class.
13	
14	Description
15	Initializes a new instance of the System.Data.OleDb.OleDbCommand
16	class.
17	The following table shows initial property values for an instance of
18	System.Data.OleDb.OleDbCommand.
19	OleDbCommand
20	Example Syntax:
21	
22	[C#] public OleDbCommand(string cmdText);
23	[C++] public: OleDbCommand(String* cmdText);
24	[VB] Public Sub New(ByVal cmdText As String)
25	[JScript] public function OleDbCommand(cmdText : String);

the

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Initializes a new instance of the **System.Data.OleDb.OleDbCommand** class with the text of the query.

The following table shows initial property values for an instance of **System.Data.OleDb.OleDbCommand**. The text of the query.

OleDbCommand

Example Syntax:

[C#] public OleDbCommand(string cmdText, OleDbConnection connection);

[C++] public: OleDbCommand(String* cmdText, OleDbConnection* connection);

[VB] Public Sub New(ByVal cmdText As String, ByVal connection As

OleDbConnection)

[JScript] public function OleDbCommand(cmdText : String, connection :

OleDbConnection);

Description

Initializes a new instance of the **System.Data.OleDb.OleDbCommand** class with the text of the query and an **System.Data.OleDb.OleDbConnection**.

The following table shows initial property values for an instance of
System.Data.OleDb.OleDbCommand. The text of the query. An
System.Data.OleDb.OleDbConnection that represents the connection to a data source.

OleDbCommand

Example Syntax:

13

14

15

16

17

18

19

20

21

22

- 1	
2	[C#] public OleDbCommand(string cmdText, OleDbConnection connection,
3	OleDbTransaction transaction);
4	[C++] public: OleDbCommand(String* cmdText, OleDbConnection* connection,
5	OleDbTransaction* transaction);
6	[VB] Public Sub New(ByVal cmdText As String, ByVal connection As
7	OleDbConnection, ByVal transaction As OleDbTransaction)
8	[JScript] public function OleDbCommand(cmdText : String, connection :
9	OleDbConnection, transaction : OleDbTransaction);
٥	

Description

Initializes a new instance of the System.Data.OleDb.OleDbCommand class with the text of the query, an System.Data.OleDb.OleDbConnection , and the System.Data.OleDb.OleDbCommand.Transaction .

The following table shows initial property values for an instance of System.Data.OleDb.OleDbCommand. The text of the query. An System.Data.OleDb.OleDbConnection that represents the connection to a data source. The transaction in which the System.Data.OleDb.OleDbCommand executes.

Properties:

CommandText

[C#] public string CommandText {get; set;}

[C++] public: __property String* get_CommandText();public: __property void set_CommandText(String*);

[VB] Public Property CommandText As String [JScript] public function get CommandText(): String; public function set 2 CommandText(String); 3 4 Description 5 Gets or sets the SQL statement or stored procedure to execute at the data 6 7 source. When the **System.Data.IDbCommand.CommandType** property is set to 8 StoredProcedure, the System.Data.OleDb.OleDbCommand.CommandText 9 property should be set to the name of the stored procedure. The command executes 10 this stored procedure when you call one of the Execute methods. 11 CommandTimeout 12 13 [C#] public int CommandTimeout {get; set;} 14 [C++] public: __property int get CommandTimeout();public: __property void 15 set CommandTimeout(int); 16 [VB] Public Property CommandTimeout As Integer 17 [JScript] public function get CommandTimeout(): int;public function set 18 CommandTimeout(int); 19 20 Description 21 Gets or sets the wait time before terminating an attempt to execute a 22 command and generating an error. 23 24

A value of 0 indicates no limit, and should be avoided in a

System.Data.OleDb.OleDbCommand.CommandTimeout because an attempt to execute a command will wait indefinitely.

CommandType

5

2

3

6

7

8

9

10

11

13

14 15

16

17

18

19 20

21

23

24

25

[C#] public CommandType CommandType {get; set;}

[C++] public: __property CommandType get_CommandType();public: __property void set_CommandType(CommandType);

[VB] Public Property CommandType As CommandType

[JScript] public function get CommandType() : CommandType;public function set CommandType(CommandType);

Description

Gets or sets a value indicating how the

System.Data.OleDb.OleDbCommand.CommandText property is interpreted.

When you set the **System.Data.OleDb.OleDbCommand.CommandType** property to **StoredProcedure**, you should set the

System.Data.OleDb.OleDbCommand.CommandText property to the name of the stored procedure. The command executes this stored procedure when you call one of the Execute methods.

Connection

[C#] public OleDbConnection Connection {get; set;}

[C++] public: __property OleDbConnection* get_Connection();public: __property void set_Connection(OleDbConnection*);

[VB] Public Property Connection As OleDbConnection [JScript] public function get Connection(): OleDbConnection; public function set 2 Connection(OleDbConnection); 3 4 Description 5 Gets or sets the System.Data.OleDb.OleDbConnection used by this 6 instance of the System.Data.OleDb.OleDbCommand. 7 You cannot set the System.Data.OleDb.OleDbCommand.Connection, 8 System.Data.OleDb.OleDbCommand.CommandType and 9 System.Data.OleDb.OleDbCommand.CommandText properties if the current 10 connection is performing an execute or fetch operation. 11 Container 12 DesignMode 13 DesignTimeVisible 14 15 16 Description 17 Gets or sets a value indicating whether the command object should be 18 visible in a customized Windows Forms Designer control. 19 **Events** 20 **Parameters** 21 22 23 Description 24

Gets the System.Data.OleDb.OleDbParameterCollection .

The OLE DB .NET Provider does not support named parameters for passing parameters to a SQL Statement or a stored procedure called by an System.Data.OleDb.OleDbCommand when System.Data.OleDb.OleDbCommand.CommandType is set to Text . In this case, the question mark (?) placeholder must be used. For example: SELECT * FROM Customers WHERE CustomerID = ? As a result, the order in which System.Data.OleDb.OleDbParameter objects are added to the System.Data.OleDb.OleDbParameterCollection must directly correspond to the position of the question mark placeholder for the parameter.

Site

Transaction

Description

Gets or sets the transaction in which the

System.Data.OleDb.OleDbCommand executes.

UpdatedRowSource

[C#] public UpdateRowSource UpdatedRowSource {get; set;}

[C++] public: property UpdateRowSource get UpdatedRowSource();public:

property void set UpdatedRowSource(UpdateRowSource);

[VB] Public Property UpdatedRowSource As UpdateRowSource

[JScript] public function get UpdatedRowSource(): UpdateRowSource; public

function set UpdatedRowSource(UpdateRowSource);

1	
2	Description
3	Gets or sets how command results are applied to the
4	System.Data.DataRow when used by the
5	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) method
6	of the System.Data.Common.DbDataAdapter.
7	Methods:
8	Cancel
9	
10	[C#] public void Cancel();
11	[C++] public:sealed void Cancel();
12	[VB] NotOverridable Public Sub Cancel()
13	[JScript] public function Cancel();
14	
15	Description
16	Cancels the execution of an System.Data.OleDb.OleDbCommand.
17	If there is nothing to cancel, nothing happens.
18	CreateParameter
19	
20	[C#] public OleDbParameter CreateParameter();
21	[C++] public: OleDbParameter* CreateParameter();
22	[VB] Public Function CreateParameter() As OleDbParameter
23	[JScript] public function CreateParameter() : OleDbParameter;
24	
25	Description

- 1	
1	Creates a new instance of an System.Data.OleDb.OleDbParameter
2	object.
3	Return Value: An System.Data.OleDb.OleDbParameter object.
4	The System.Data.OleDb.OleDbCommand.CreateParameter method is a
5	strongly-typed version of System.Data.IDbCommand.CreateParameter.
6	Dispose
7	
8	[C#] protected override void Dispose(bool disposing);
9	[C++] protected: void Dispose(bool disposing);
10	[VB] Overrides Protected Sub Dispose(ByVal disposing As Boolean)
11	[JScript] protected override function Dispose(disposing : Boolean); Releases the
12	resources used by the System.Data.OleDb.OleDbCommand.
13	
14	Description
15	Releases the unmanaged resources used by the
16	System.Data.OleDb.OleDbCommand and optionally releases the managed
17	resources.
18	This method is called by the public method and the
19	System.Object.Finalize method. true to release both managed and unmanaged
20	resources; false to release only unmanaged resources.
21	ExecuteNonQuery
22	
23	[C#] public int ExecuteNonQuery();
24	[C++] public:sealed int ExecuteNonQuery();
25	[VB] NotOverridable Public Function ExecuteNonOuerv() As Integer

[JScript] public function ExecuteNonQuery(): int; 2 Description 3 Executes a SQL statement against the 4 System.Data.OleDb.OleDbCommand.Connection and returns the number of 5 rows affected. 6 Return Value: The number of rows affected. 7 You can use the 8 System.Data.SqlClient.SqlCommand.ExecuteNonQuery to perform catalog 9 operations (for example, querying the structure of a database or creating database 10 objects such as tables), or to change the data in a database without using a 11 System.Data.DataSet by executing UPDATE, INSERT, or DELETE statements. 12 ExecuteReader 13 14 [C#] public OleDbDataReader ExecuteReader(); 15 [C++] public: OleDbDataReader* ExecuteReader(); 16 [VB] Public Function ExecuteReader() As OleDbDataReader 17 [JScript] public function ExecuteReader(): OleDbDataReader; Sends the 18 System.Data.OleDb.OleDbCommand.CommandText to the 19 System.Data.OleDb.OleDbCommand.Connection and builds an 20 System.Data.OleDb.OleDbDataReader . 21 22 Description 23 Sends the System.Data.OleDb.OleDbCommand.CommandText to the 24 System.Data.OleDb.OleDbCommand.Connection and builds an

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Return Value: An System.Data.OleDb.OleDbDataReader object.

When the System.Data.IDbCommand.CommandType property is set to StoredProcedure, the System.Data.OleDb.OleDbCommand.CommandText property should be set to the name of the stored procedure. The command executes this stored procedure when you call

System. Data. Ole Db. Ole DbCommand. Execute Reader.

ExecuteReader

[C#] public OleDbDataReader ExecuteReader(CommandBehavior behavior);

[C++] public: OleDbDataReader* ExecuteReader(CommandBehavior behavior);

[VB] Public Function ExecuteReader(ByVal behavior As CommandBehavior) As

OleDbDataReader

[JScript] public function ExecuteReader(behavior : CommandBehavior) :

OleDbDataReader;

Description

Sends the System.Data.OleDb.OleDbCommand.CommandText to the System.Data.OleDb.OleDbCommand.Connection, and builds an System.Data.OleDb.OleDbDataReader using one of the System.Data.CommandBehavior values.

Return Value: An System.Data.OleDb.OleDbDataReader object.

When you specify System.Data.CommandBehavior.SingleRow with the System.Data.OleDb.OleDbCommand.ExecuteReader method of the System.Data.OleDb.OleDbCommand object, the OLE DB .NET Data Provider

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

performs binding using the OLE DB IRow interface if it is available. Otherwise, it uses the IRowset interface. If your SQL statement is expected to return only a single row, specifying **System.Data.CommandBehavior.SingleRow** can also improve application performance. One of the

_ _

System.Data.CommandBehaviorvalues.

ExecuteScalar

[C#] public object ExecuteScalar();

[C++] public: __sealed Object* ExecuteScalar();

[VB] NotOverridable Public Function ExecuteScalar() As Object

[JScript] public function ExecuteScalar(): Object;

Description

Executes the query, and returns the first column of the first row in the resultset returned by the query. Extra columns or rows are ignored.

Return Value: The first column of the first row in the resultset.

Use the **System.Data.OleDb.OleDbCommand.ExecuteScalar** method to retrieve a single value (for example, an aggregate value) from a data source. This requires less code than using the

System.Data.OleDb.OleDbCommand.ExecuteReader method, and then performing the operations necessary to generate the single value using the data returned by an System.Data.OleDb.OleDbDataReader.

Prepare

[C#] public void Prepare();

- 11	
1	[C++] public:sealed void Prepare();
2	[VB] NotOverridable Public Sub Prepare()
3	[JScript] public function Prepare();
4	
5	Description
6	Creates a prepared (or compiled) version of the command on the data
7	source.
8	If the System.Data.OleDb.OleDbCommand.CommandType property is
9	set to TableDirect, System.Data.OleDb.OleDbCommand.Prepare does
10	nothing. If System.Data.OleDb.OleDbCommand.CommandType is set to
11	StoredProcedure, the call to System.Data.OleDb.OleDbCommand.Prepare
12	should succeed, although it may result in a no-op.
13	ResetCommandTimeout
14	
15	[C#] public void ResetCommandTimeout();
16	[C++] public: void ResetCommandTimeout();
17	[VB] Public Sub ResetCommandTimeout()
18	[JScript] public function ResetCommandTimeout();
19	
20	Description
21	Resets the System.Data.OleDb.OleDbCommand.CommandTimeout
22	property to the default value.
23	The default value of the
24	System.Data.OleDb.OleDbCommand.CommandTimeout is 30 seconds.
25	IDbCommand.CreateParameter

1	
2	[C#] IDbDataParameter IDbCommand.CreateParameter();
3	[C++] IDbDataParameter* IDbCommand::CreateParameter();
4	[VB] Function CreateParameter() As IDbDataParameter Implements
5	IDbCommand.CreateParameter
6	[JScript] function IDbCommand.CreateParameter(): IDbDataParameter;
7	IDbCommand.ExecuteReader
8	
9	[C#] IDataReader IDbCommand.ExecuteReader();
10	[C++] IDataReader* IDbCommand::ExecuteReader();
11	[VB] Function ExecuteReader() As IDataReader Implements
12	IDbCommand.ExecuteReader
13	[JScript] function IDbCommand.ExecuteReader(): IDataReader;
14	IDbCommand.ExecuteReader
15	
16	[C#] IDataReader IDbCommand.ExecuteReader(CommandBehavior behavior);
17	[C++] IDataReader* IDbCommand::ExecuteReader(CommandBehavior
18	behavior);
19	[VB] Function ExecuteReader(ByVal behavior As CommandBehavior) As
20	IDataReader Implements IDbCommand.ExecuteReader
21	[JScript] function IDbCommand.ExecuteReader(behavior : CommandBehavior)
22	IDataReader;
23	ICloneable.Clone
24	
25	[C#] object [Cloneable Clone()

[C++] Object* ICloneable::Clone();
[VB] Function Clone() As Object Implements ICloneable.Clone
[JScript] function ICloneable.Clone(): Object;
OleDbCommandBuilder class (System.Data.OleDb)
ToString

Description

Provides a means of automatically generating single-table commands used to reconcile changes made to a **System.Data.DataSet** with the associated database. This class cannot be inherited.

The System.Data.OleDb.OleDbDataAdapter does not automatically generate the SQL statements required to reconcile changes made to a System.Data.DataSet with the associated data source. However, you can create an System.Data.OleDb.OleDbCommandBuilder object to automatically generate SQL statements for single-table updates if you set the System.Data.OleDb.OleDbDataAdapter.SelectCommand property of the System.Data.OleDb.OleDbDataAdapter . Then, any additional SQL statements that you do not set are generated by the System.Data.OleDb.OleDbCommandBuilder .

Example Syntax:

ToString

[C#] public OleDbCommandBuilder();

OleDbCommandBuilder

1	[C++] public: OleDbCommandBuilder();
2	[VB] Public Sub New()
3	[JScript] public function OleDbCommandBuilder(); Initializes a new instance of
4	the System.Data.OleDb.OleDbCommandBuilder class.
5	
6	Description
7	Initializes a new instance of the
8	System.Data.OleDb.OleDbCommandBuilder class.
9	OleDbCommandBuilder
10	Example Syntax:
11	ToString
12	
13	[C#] public OleDbCommandBuilder(OleDbDataAdapter adapter);
14	[C++] public: OleDbCommandBuilder(OleDbDataAdapter* adapter);
15	[VB] Public Sub New(ByVal adapter As OleDbDataAdapter)
16	[JScript] public function OleDbCommandBuilder(adapter : OleDbDataAdapter);
17	
18	Description
19	Initializes a new instance of the
20	System.Data.OleDb.OleDbCommandBuilder class with the associated
21	System.Data.OleDb.OleDbDataAdapter object. An
22	System.Data.OleDb.OleDbDataAdapter.
23	Container
24	DataAdapter
3.5	ToString

Gets or sets an **System.Data.OleDb.OleDbDataAdapter** object for which SQL statements are automatically generated.

The System.Data.OleDb.OleDbCommandBuilder registers itself as a listener for System.Data.OleDb.OleDbDataAdapter.RowUpdating events generated by the System.Data.OleDb.OleDbDataAdapter.

DesignMode

Events

QuotePrefix

ToString

Description

Gets or sets the beginning character or characters to use when specifying database object names, (for example, tables or columns), that contain characters such as spaces.

Some data sources may have objects that can contain characters such as spaces, commas, and semicolons. To accommodate this capability, use the System.Data.OleDb.OleDbCommandBuilder.QuotePrefix and System.Data.OleDb.OleDbCommandBuilder.QuoteSuffix properties to specify delimiters such as a left bracket and a right bracket to encapsulate the object name.

QuoteSuffix

ToString

13

14

15

16

17

18

19

21

22

23

24

	· ·
1	
2	[C#] public string QuoteSuffix {get; set;}
3	[C++] public:property String* get_QuoteSuffix();public:property void
4	set_QuoteSuffix(String*);
5	[VB] Public Property QuoteSuffix As String
6	[JScript] public function get QuoteSuffix() : String;public function set
7	QuoteSuffix(String);
8	
9	Description
10	Gets or sets the ending character or characters to use when specifying
11	database object names, (for example, tables or columns), that contain characters

Some data sources may have objects that can contain characters such as spaces, commas, and semicolons. To accommodate this capability, use the System.Data.OleDb.OleDbCommandBuilder.QuotePrefix and System.Data.OleDb.OleDbCommandBuilder.QuoteSuffix properties to specify delimiters such as a left bracket and a right bracket to encapsulate the object name.

Site

such as spaces.

DeriveParameters

20

[C#] public static void DeriveParameters(OleDbCommand command);

[C++] public: static void DeriveParameters(OleDbCommand* command);

[VB] Public Shared Sub DeriveParameters(ByVal command As OleDbCommand)

[JScript] public static function DeriveParameters(command: OleDbCommand);

He hard the true that the true that the true that the true that the true that

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Dispose

[C#] protected override void Dispose(bool disposing);

[C++] protected: void Dispose(bool disposing);

[VB] Overrides Protected Sub Dispose(ByVal disposing As Boolean)

[JScript] protected override function Dispose(disposing : Boolean); Releases the resources used by the System.Data.OleDb.OleDbCommandBuilder .

Description

Releases the unmanaged resources used by the **System.Data.OleDb.OleDbCommandBuilder** and optionally releases the managed resources.

This method is called by the public method and the

System.Object.Finalize method. true to release both managed and unmanaged resources; false to release only unmanaged resources.

GetDeleteCommand

[C#] public OleDbCommand GetDeleteCommand();

[C++] public: OleDbCommand* GetDeleteCommand();

[VB] Public Function GetDeleteCommand() As OleDbCommand

[JScript] public function GetDeleteCommand(): OleDbCommand;

Description

2

3

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets the automatically generated SQL statement required to perform deletions at the data source when an application calls System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) on the System.Data.OleDb.OleDbDataAdapter.

Return Value: The text of the SQL statement to be executed.

An application can use the

System.Data.OleDb.OleDbCommandBuilder.GetDeleteCommand method for informational or troubleshooting purposes because it returns the text of the statement to be executed.

GetInsertCommand

[C#] public OleDbCommand GetInsertCommand();

[C++] public: OleDbCommand* GetInsertCommand();

[VB] Public Function GetInsertCommand() As OleDbCommand

[JScript] public function GetInsertCommand(): OleDbCommand;

Description

Gets the automatically generated SQL statement required to perform inserts at the data source when an application calls

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) on the System.Data.OleDb.OleDbDataAdapter

Return Value: The text of the SQL statement to be executed.

An application can use the

System.Data.OleDb.OleDbCommandBuilder.GetInsertCommand method for

2

3

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

informational or troubleshooting purposes because it returns the text of the statement to be executed.

GetUpdateCommand

[C#] public OleDbCommand GetUpdateCommand();

[C++] public: OleDbCommand* GetUpdateCommand();

[VB] Public Function GetUpdateCommand() As OleDbCommand

[JScript] public function GetUpdateCommand(): OleDbCommand;

Description

Gets the automatically generated SQL statement required to perform updates at the data source when an application calls

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) on the System.Data.OleDb.OleDbDataAdapter.

Return Value: The text of the SQL statement to be executed.

An application can use the

System.Data.OleDb.OleDbCommandBuilder.GetUpdateCommand method for informational or troubleshooting purposes because it returns the text of the statement to be executed.

RefreshSchema

[C#] public void RefreshSchema();

[C++] public: void RefreshSchema();

[VB] Public Sub RefreshSchema()

[JScript] public function RefreshSchema();

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Refreshes the database schema information used to generate INSERT, UPDATE, or DELETE statements.

An application should call

 $System. Data. Ole Db. Ole DbCommand Builder. Refresh Schema \ whenever \ the$

SELECT statement associated with the

System.Data.OleDb.OleDbCommandBuilder changes.

OleDbConnection class (System.Data.OleDb)

ToString

Description

Represents an open connection to a data source.

An System.Data.OleDb.OleDbConnection object represents a unique connection to a data source. In the case of a client/server database system, it is equivalent to a network connection to the server. Depending on the functionality supported by the native OLE DB provider, some collections, methods, or properties of an System.Data.OleDb.OleDbConnection object may not be available.

OleDbConnection

Example Syntax:

ToString

[C#] public OleDbConnection();

1	[C++] public: OleDbConnection();
2	[VB] Public Sub New()
3	[JScript] public function OleDbConnection(); Initializes a new instance of the
4	System.Data.OleDb.OleDbConnection class.
5	
6	Description
7	Initializes a new instance of the System.Data.OleDb.OleDbConnection
8	class.
9	When a new instance of System.Data.OleDb.OleDbConnection is
10	created, the read/write properties are set to the following initial values unless they
11	are specifically set using their associated keywords in the
12	System.Data.SqlClient.SqlConnection.ConnectionString property.
13	OleDbConnection
14	Example Syntax:
15	ToString
16	
17	[C#] public OleDbConnection(string connectionString);
18	[C++] public: OleDbConnection(String* connectionString);
19	[VB] Public Sub New(ByVal connectionString As String)
20	[JScript] public function OleDbConnection(connectionString : String);
21	
22	Description
23	Initializes a new instance of the System.Data.OleDb.OleDbConnection
24	class with the specified connection string.
25	

When a new instance of **System.Data.OleDb.OleDbConnection** is created, the read/write properties are set to the following initial values unless they are specifically set using their associated keywords in the

System.Data.SqlClient.SqlConnection.ConnectionString property. The connection used to open the database.

ConnectionString

ToString

[C#] public string ConnectionString {get; set;}

[C++] public: __property String* get_ConnectionString();public: __property void set_ConnectionString(String*);

[VB] Public Property ConnectionString As String

[JScript] public function get ConnectionString(): String; public function set ConnectionString(String);

Description

Gets or sets the string used to open a database.

The **System.Data.OleDb.OleDbConnection.ConnectionString** is designed to match OLE DB connection string format as closely as possble with the following exceptions: The "Provider = *value*" clause is required. However, you cannot use "Provider = MSDASQL" because the OLE DB .NET Data Provider does not support the OLE DB Provider for ODBC (MSDASQL).

ConnectionTimeout

ToString

15

16

17

18

19

20

21

22

23

24

25

3

5

[C#] public int ConnectionTimeout {get;}
[C++] public:property int get_ConnectionTimeout();
[VB] Public ReadOnly Property ConnectionTimeout As Integer
[JScript] public function get ConnectionTimeout(): int;

Description

Gets the time to wait while trying to establish a connection before terminating the attempt and generating an error.

A value of 0 indicates no limit, and should be avoided in a System.Data.OleDb.OleDbConnection.ConnectionString because an attempt to connect will wait indefinitely.

Container

Database

ToString

Description

Gets the name of the current database or the database to be used once a connection is open.

The System.Data.OleDb.OleDbConnection.Database property updates dynamically. If you change the current database using a SQL statement or the System.Data.OleDb.OleDbConnection.ChangeDatabase(System.String) method, an informational message is sent and the property is updated automatically.

1	DataSource
2	ToString
3	
4	[C#] public string DataSource {get;}
5	[C++] public:property String* get_DataSource();
6	[VB] Public ReadOnly Property DataSource As String
7	[JScript] public function get DataSource(): String;
8	
9	Description
10	Gets the location and file name of the data source.
11	DesignMode
12	Events
13	Provider
14	ToString
15	
16	
17	Description
18	Gets the name of the OLE DB provider.
19	ServerVersion
20	ToString
21	
22	[C#] public string ServerVersion {get;}
23	[C++] public:property String* get_ServerVersion();
24	[VB] Public ReadOnly Property ServerVersion As String
25	[JScript] public function get ServerVersion() : String;
	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

2

3

5

6

7

8

10

11

12

13

14

15

16

17

18

19

20

24

25

Gets a string containing the version of the of the server to which the client is connected.

The System.Data.OleDb.OleDbConnection.ServerVersion property
maps to the OLE DB DBPROP_DBMSVER property. If
System.Data.OleDb.OleDbConnection.ServerVersion is not supported by the

Site

State

ToString

Description

Gets the current state of the connection.

underlying OLE DB provider, an empty string is returned.

The allowed state changes are: From Closed to Open, using the Open method of the connnection object.

ToString

Description

Occurs when the provider sends a warning or an informational message.

Clients that want to process warnings or informational messages sent by the server should create an **System.Data.OleDb.OleDbInfoMessageEventHandler** delegate to listen to this event.

T	oSt	ring
_	000	

[C#] public event StateChangeEventHandler StateChange;

[C++] public: __event StateChangeEventHandler* StateChange;

[VB] Public Event StateChange As StateChangeEventHandler

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Occurs when the state of the connection changes.

The System.Data.OleDb.OleDbConnection.StateChange event fires whenever the System.Data.OleDb.OleDbConnection.State changes from closed to opened, or from opened to closed.

BeginTransaction

[C#] public OleDbTransaction BeginTransaction();

[C++] public: OleDbTransaction* BeginTransaction();

[VB] Public Function BeginTransaction() As OleDbTransaction

[JScript] public function BeginTransaction(): OleDbTransaction;

Description

Begins a database transaction.

Return Value: An object representing the new transaction.

You must explicity commit or roll back the transaction using the

System.Data.OleDb.OleDbTransaction.Commit or

System.Data.OleDb.OleDbTransaction.Rollback method. To ensure that the

OLE DB .NET Data Provider transaction management model performs correctly,

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

avoid using other transaction management models, such as those provided by the data source.

BeginTransaction

[C#] public OleDbTransaction BeginTransaction(IsolationLevel isolationLevel);

[C++] public: OleDbTransaction* BeginTransaction(IsolationLevel isolationLevel);

[VB] Public Function BeginTransaction(ByVal isolationLevel As IsolationLevel)

As OleDbTransaction

[JScript] public function BeginTransaction(isolationLevel : IsolationLevel) :

OleDbTransaction; Begins a database transaction.

Description

Begins a database transaction with the current **System.Data.IsolationLevel** value.

Return Value: An object representing the new transaction.

You must explicity commit or roll back the transaction using the

System.Data.OleDb.OleDbTransaction.Commit or

System.Data.OleDb.OleDbTransaction.Rollback method. To ensure that the OLE DB .NET Data Provider transaction management model performs correctly, avoid using other transaction management models, such as those provided by the data source. The transaction isolation level for this connection.

ChangeDatabase

[C#] public void ChangeDatabase(string value);

[C++] public: __sealed void ChangeDatabase(String* value);
[VB] NotOverridable Public Sub ChangeDatabase(ByVal value As String)
[JScript] public function ChangeDatabase(value : String);

Description

Changes the current database for an open

System.Data.OleDb.OleDbConnection .

The value supplied in the *database* parameter must be a valid database name. The *database* parameter cannot contain a null value, be empty, or contain a string with only blank characters. The database name.

Close

[C#] public void Close();
[C++] public: sealed void Close();

[VB] NotOverridable Public Sub Close()

[JScript] public function Close();

Description

Closes the connection to the data source. This is the preferred method of closing any open connection.

The System.Data.OleDb.OleDbConnection.Close method rolls back any pending transactions. It then releases the connection to the connection pool, or closes the connection if connection pooling is disabled. If

System.Data.OleDb.OleDbConnection.Close is called while handling a

System.Data.OleDb.OleDbConnection.StateChange event, no additional System.Data.OleDb.OleDbConnection.StateChange events are fired. 2 CreateCommand 3 [C#] public OleDbCommand CreateCommand(); 5 [C++] public: OleDbCommand* CreateCommand(); 6 [VB] Public Function CreateCommand() As OleDbCommand 7 [JScript] public function CreateCommand(): OleDbCommand; 8 9 Description 10 Creates and returns an System.Data.OleDb.OleDbCommand object 11 associated with the System.Data.OleDb.OleDbConnection . 12 Return Value: An System.Data.OleDb.OleDbCommand object. 13 Dispose 14 15 [C#] protected override void Dispose(bool disposing); 16 [C++] protected: void Dispose(bool disposing); 17 [VB] Overrides Protected Sub Dispose(ByVal disposing As Boolean) 18 [JScript] protected override function Dispose(disposing: Boolean); Releases the 19 resources used by the System.Data.OleDb.OleDbConnection. 20 21 Description 22 Releases the unmanaged resources used by the 23 System.Data.OleDb.OleDbConnection and optionally releases the managed 24

resources.

This method is called by the public method and the System.Object.Finalize method. true to release both managed and unmanaged resources; false to release only unmanaged resources.

GetOleDbSchemaTable

[C#] public DataTable GetOleDbSchemaTable(Guid schema, object[] restrictions);

[C++] public: DataTable* GetOleDbSchemaTable(Guid schema, Object* restrictions __gc[]);

[VB] Public Function GetOleDbSchemaTable(ByVal schema As Guid, ByVal restrictions() As Object) As DataTable

[JScript] public function GetOleDbSchemaTable(schema : Guid, restrictions : Object[]) : DataTable;

Description

Returns the schema table and associated restriction columns of the specified schema.

Return Value: A System.Data.DataTable containing a list of schema restrictions.

The schema table is returned as a **System.Data.DataTable** that has the same format as the OLE DB schema rowset specified by the the *schema* parameter. Use the *restrictions* parameter to filter the rows to be returned in the **System.Data.DataTable** (for example, by specifying restrictions for tablename, type, owner, or schema). When you pass values in the array, include empty strings for array elements that do not contain values. If you pass an empty array to *restrictions*, all rows (one for each table) are returned in default order. Values in

the array correspond to the order of the columns in the source table and System.Data.DataTable. One of the System.Data.OleDb.OleDbSchemaGuid values that specifies the schema table to return. An array of objects that are filter values, each of which corresponds to a System.Data.DataColumn in the resulting System.Data.DataTable.

Open

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

2

3

5

6

[C#] public void Open();

[C++] public: __sealed void Open();

[VB] NotOverridable Public Sub Open()

[JScript] public function Open();

Description

Opens a database connection with the property settings specified by the System.Data.OleDb.OleDbConnection.ConnectionString.

The **System.Data.OleDb.OleDbConnection** draws an open connection from the connection pool if one is available. Otherwise, it establishes a new connection to the data source.

ReleaseObjectPool

[C#] public static void ReleaseObjectPool();

[C++] public: static void ReleaseObjectPool();

[VB] Public Shared Sub ReleaseObjectPool()

[JScript] public static function ReleaseObjectPool();

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Indicates that the **System.Data.OleDb.OleDbConnection** object pooling can be cleared when the last underlying OLE DB Provider is released.

The object pool is cached whenever one of the underlying OLE DB providers is created. This method should be called when the user is done using any System.Data.OleDb.OleDbConnection objects.

IDbConnection.BeginTransaction

[C#] IDbTransaction IDbConnection.BeginTransaction();

[C++] IDbTransaction* IDbConnection::BeginTransaction();

[VB] Function BeginTransaction() As IDbTransaction Implements

IDbConnection.BeginTransaction

[JScript] function IDbConnection.BeginTransaction(): IDbTransaction;

IDbConnection.BeginTransaction

[C#] IDbTransaction IDbConnection.BeginTransaction(IsolationLevel isolationLevel);

[C++] IDbTransaction* IDbConnection::BeginTransaction(IsolationLevel isolationLevel);

[VB] Function BeginTransaction(ByVal isolationLevel As IsolationLevel) As

IDbTransaction Implements IDbConnection.BeginTransaction

[JScript] function IDbConnection.BeginTransaction(isolationLevel:

IsolationLevel): IDbTransaction;

IDbConnection.CreateCommand

17

18

19

20

21

22

23

24

25

[C#] IDbCommand IDbConnection.CreateCommand(); 2 [C++] IDbCommand* IDbConnection::CreateCommand(); 3 [VB] Function CreateCommand() As IDbCommand Implements 4 IDbConnection.CreateCommand 5 [JScript] function IDbConnection.CreateCommand(): IDbCommand; 6 ICloneable.Clone 7 8 [C#] object ICloneable.Clone(); 9 [C++] Object* ICloneable::Clone(); 10 [VB] Function Clone() As Object Implements ICloneable.Clone 11 [JScript] function ICloneable.Clone(): Object; 12 OleDbDataAdapter class (System.Data.OleDb) 13 **ToString** 14 15

Description

Represents a set of data commands and a database connection which are used to fill the System.Data.DataSet and update the data source.

The System.Data.OleDb.OleDbDataAdapter serves as a bridge between a System.Data.DataSet and data source for retrieving and saving data. The System.Data.OleDb.OleDbDataAdapter provides this bridge by using System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) to load data from the data source into the System.Data.DataSet, and using

1	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) to send
2	changes made in the System.Data.DataSet back to the data source.
3	OleDbDataAdapter
4	Example Syntax:
5	ToString
6	
7	[C#] public OleDbDataAdapter();
8	[C++] public: OleDbDataAdapter();
9	[VB] Public Sub New()
10	[JScript] public function OleDbDataAdapter(); Initializes a new instance of the
11	System.Data.OleDb.OleDbDataAdapter class.
12	
13	Description
14	Initializes a new instance of the System.Data.OleDb.OleDbDataAdapter
15	class.
16	When you create an instance of System.Data.OleDb.OleDbDataAdapter,
17	the following read/write properties are set to the following initial values.
18	OleDbDataAdapter
19	Example Syntax:
20	ToString
21	
22	[C#] public OleDbDataAdapter(OleDbCommand selectCommand);
23	[C++] public: OleDbDataAdapter(OleDbCommand* selectCommand);
24	[VB] Public Sub New(ByVal selectCommand As OleDbCommand)
25	[JScript] public function OleDbDataAdapter(selectCommand : OleDbCommand);

1

2

3

5

6

7

8

10

11

12

13

14

15

16

17

19

20

21

22

23

24

25

Initializes a new instance of the **System.Data.OleDb.OleDbDataAdapter** class with the specified SQL SELECT statement.

When you create an instance of System.Data.OleDb.OleDbDataAdapter, the following read/write properties are set to the following initial values. An System.Data.OleDb.OleDbCommand that is a SQL SELECT statement.

OleDbDataAdapter

Example Syntax:

ToString

[C#] public OleDbDataAdapter(string selectCommandText, OleDbConnection selectConnection);

[C++] public: OleDbDataAdapter(String* selectCommandText,

OleDbConnection* selectConnection);

[VB] Public Sub New(ByVal selectCommandText As String, ByVal selectConnection As OleDbConnection)

 $[JScript]\ public\ function\ Ole Db Data Adapter (select Command Text: String,$

selectConnection : OleDbConnection);

Description

Inintializes a new instance of the **System.Data.OleDb.OleDbDataAdapter** class with a **System.Data.OleDb.OleDbDataAdapter.SelectCommand** .

This implementation of the System.Data.OleDb.OleDbDataAdapter opens and closes a System.Data.OleDb.OleDbConnection if it is not already

ı	open. This can be useful in a an application that must call the
2	System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) method
3	for two or more System.Data.OleDb.OleDbDataAdapter objects. If the
4	System.Data.OleDb.OleDbConnection is already open, you must explicitly call
5	System.Data.OleDb.OleDbConnection.Close or
6	System.Data.OleDb.OleDbConnection.Dispose(System.Boolean) to close it.
7	The System.Data.OleDb.OleDbDataAdapter.SelectCommand . An
8	System.Data.OleDb.OleDbConnection that represents the connection.
9	OleDbDataAdapter
10	Example Syntax:
11	ToString
12	
13	[C#] public OleDbDataAdapter(string selectCommandText, string
14	selectConnectionString);
15	[C++] public: OleDbDataAdapter(String* selectCommandText, String*
16	selectConnectionString);
17	[VB] Public Sub New(ByVal selectCommandText As String, ByVal
18	selectConnectionString As String)
19	[JScript] public function OleDbDataAdapter(selectCommandText : String,
20	selectConnectionString: String);
21	
22	Description
23	Initializes a new instance of the System.Data.OleDb.OleDbDataAdapte
24	class with a System.Data.OleDb.OleDbDataAdapter.SelectCommand.
25	

When you create an instance of System.Data.OleDb.OleDbDataAdapter, the following read/write properties are set to the following initial values. The System.Data.OleDb.OleDbDataAdapter.SelectCommand. The connection string.

AcceptChangesDuringFill

Container

DeleteCommand

ToString

Description

Gets or sets an SQL statement or stored procedure for deleting records from the data set.

During

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), if this property is not set and primary key information is present in the

System.Data.DataSet, the

System.Data.OleDb.OleDbDataAdapter.DeleteCommand can be generated automatically if you set the

System.Data.OleDb.OleDbDataAdapter.SelectCommand property and use the System.Data.OleDb.OleDbCommandBuilder. Then, any additional commands that you do not set are generated by the

System.Data.OleDb.OleDbCommandBuilder . This generation logic requires key column information to be present in the **System.Data.DataSet** . For more information see .

2

3

4

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets or sets the name of the source column mapped to the System.Data.DataSet and used for loading or returning the System.Data.OleDb.OleDbParameter.Value.

The link betwen the value of the **System.Data.OleDb.OleDbParameter** and the **System.Data.DataTable** may be bidirectional depending on the value of the **System.Data.OleDb.OleDbParameter.Direction** property.

SourceVersion

ToString

[C#] public DataRowVersion SourceVersion {get; set;}

[C++] public: __property DataRowVersion get_SourceVersion();public:

_property void set_SourceVersion(DataRowVersion);

[VB] Public Property SourceVersion As DataRowVersion

[JScript] public function get SourceVersion(): DataRowVersion; public function set SourceVersion(DataRowVersion);

Description

Gets or sets the **System.Data.DataRowVersion** to use when loading **System.Data.OleDb.OleDbParameter.Value**.

Used by System.Data.OleDb.OleDbDataAdapter.UpdateCommand during an

System. Data. Common. DbDataAdapter. Update (System. Data. DataSet)

operation to determine whether the parameter value is set to Current or Original.

This allows primary keys to be updated. This property is ignored by

System.Data.OleDb.OleDbDataAdapter.InsertCommand and

1	System. Data. Ole Db. Ole Db. Data Adapter. Delete Command. This property is se
2	to the version of the System.Data.DataRow used by the
3	System.Data.DataRow.Item(System.Int32) property, or the
4	System.Data.DataRow.GetChildRows(System.String) method of the
5	System.Data.DataRow object.
6	Value
7	ToString
8	
9	[C#] public object Value {get; set;}
10	[C++] public:property Object* get_Value();public:property void
11	set_Value(Object*);
12	[VB] Public Property Value As Object
13	[JScript] public function get Value() : Object; public function set Value(Object);
14	
15	Description
16	Gets or sets the value of the parameter.
17	For input parameters, the value is bound to the
18	System.Data.OleDb.OleDbCommand that is sent to the server. For output and
19	return value parameters, the value is set on completion of the
20	System.Data.OleDb.OleDbCommand and after the
21	System.Data.OleDb.OleDbDataReader is closed.
22	ICloneable.Clone
23	
24	[C#] object ICloneable.Clone();
25	[C++] Object* ICloneable::Clone();

DesignMode
Events
InsertCommand
ToString

Description

Gets or sets an SQL statement or stored procedure used to insert new records into the data source.

During

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), if this property is not set and primary key information is present in the

System.Data.DataSet, the

System.Data.OleDb.OleDbDataAdapter.InsertCommand can be generated automatically if you set the

System.Data.OleDb.OleDbDataAdapter.SelectCommand property and use the System.Data.OleDb.OleDbCommandBuilder. Then, any additional commands that you do not set are generated by the

System.Data.OleDb.OleDbCommandBuilder. This generation logic requires key column information to be present in the System.Data.DataSet. For more information see.

MissingMappingAction

MissingSchemaAction

SelectCommand

ToString

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets or sets an SQL statement or stored procedure used to select records in the data source.

When System.Data.OleDb.OleDbDataAdapter.SelectCommand is assigned to a previously created System.Data.OleDb.OleDbCommand, the System.Data.OleDb.OleDbCommand is not cloned. The

System.Data.OleDb.OleDbDataAdapter.SelectCommand maintains a reference to the previously created System.Data.OleDb.OleDbCommand object.

Site

TableMappings

UpdateCommand

ToString

Description

Gets or sets an SQL statement or stored procedure used to update records in the data source.

During

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), if this property is not set and primary key information is present in the

System.Data.DataSet, the

System.Data.OleDb.OleDbDataAdapter.UpdateCommand can be generated automatically if you set the

System.Data.OleDb.OleDbCommandBuilder . Then, any additional commands that you do not set are generated by the

System.Data.OleDb.OleDbCommandBuilder . This generation logic requires key column information to be present in the System.Data.DataSet . For more information see .

ToString

Description

Occurs during

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) after a command is executed against the data source. The attempt to update is made, so the event fires.

When using

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), there are two events that occur per data row updated. The order of execution is as follows: The values in the System.Data.DataRow are moved to the parameter values.

ToString

[C#] public event OleDbRowUpdatingEventHandler RowUpdating;
[C++] public: __event OleDbRowUpdatingEventHandler* RowUpdating;
[VB] Public Event RowUpdating As OleDbRowUpdatingEventHandler

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Occurs during

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) before a command is executed against the data source. The attempt to update is made, so the event fires.

When using

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), there are two events that occur per data row updated. The order of execution is as follows: The values in the System.Data.DataRow are moved to the parameter values.

CreateRowUpdatedEvent

[C#] protected override RowUpdatedEventArgs

CreateRowUpdatedEvent(DataRow dataRow, IDbCommand command,

StatementType statementType, DataTableMapping tableMapping);

[C++] protected: RowUpdatedEventArgs* CreateRowUpdatedEvent(DataRow*

dataRow, IDbCommand* command, StatementType,

DataTableMapping* tableMapping);

[VB] Overrides Protected Function CreateRowUpdatedEvent(ByVal dataRow As

DataRow, ByVal command As IDbCommand, ByVal statementType As

StatementType, ByVal tableMapping As DataTableMapping) As

RowUpdatedEventArgs

[JScript] protected override function CreateRowUpdatedEvent(dataRow:

DataRow, command: IDbCommand, statementType: StatementType,

1	tableMapping : DataTableMapping) : RowUpdatedEventArgs;
2	
3	Description
4	CreateRowUpdatingEvent
5	
6	[C#] protected override RowUpdatingEventArgs
7	CreateRowUpdatingEvent(DataRow dataRow, IDbCommand command,
8	StatementType statementType, DataTableMapping tableMapping);
9	[C++] protected: RowUpdatingEventArgs* CreateRowUpdatingEvent(DataRow*
10	dataRow, IDbCommand* command, StatementType statementType,
11	DataTableMapping* tableMapping);
12	[VB] Overrides Protected Function CreateRowUpdatingEvent(ByVal dataRow As
13	DataRow, ByVal command As IDbCommand, ByVal statementType As
14	StatementType, ByVal tableMapping As DataTableMapping) As
15	RowUpdatingEventArgs
16	[JScript] protected override function CreateRowUpdatingEvent(dataRow:
17	DataRow, command: IDbCommand, statementType: StatementType,
18	tableMapping: DataTableMapping): RowUpdatingEventArgs;
19	
20	Description
21	Dispose
22	
23	[C#] protected override void Dispose(bool disposing);
24	[C++] protected: void Dispose(bool disposing);
25	[VB] Overrides Protected Sub Dispose(ByVal disposing As Boolean)

[JScript] protected override function Dispose(disposing : Boolean); Releases the resources used by the System.Data.OleDb.OleDbDataAdapter .

Description

Releases the unmanaged resources used by the

System.Data.OleDb.OleDbDataAdapter and optionally releases the managed resources.

This method is called by the public method and the

System.Object.Finalize method. true to release both managed and unmanaged resources; false to release only unmanaged resources.

Fill

[C#] public int Fill(DataTable dataTable, object adodb);

[C++] public: int Fill(DataTable* dataTable, Object* adodb);

[VB] Public Function Fill(ByVal dataTable As DataTable, ByVal adodb As Object) As Integer

[JScript] public function Fill(dataTable: DataTable, adodb: Object): int; Adds or refreshes rows in the **System.Data.DataSet** to match those in an ADO **Recordset** or **Record** object.

Description

Adds or refreshes rows in a **System.Data.DataTable** to match those in an ADO **Recordset** or **Record** object using the specified **System.Data.DataTable** and ADO objects.

Return Value: The number of rows successfully refreshed to the

3

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.DataTable. This does not include rows affected by statements that do not return rows.

The link between ActiveX Data Objects (ADO) and ADO.NET is a oneway operation in that you can copy data from ADO to the System. Data. DataSet, but any updates to the data must be handled by ADO.NET. For more information, see . A System.Data.DataTable to fill with records and, if necessary, schema. An ADO Recordset or Record object.

Fill

[C#] public int Fill(DataSet dataSet, object adodb, string srcTable); [C++] public: int Fill(DataSet* dataSet, Object* adodb, String* srcTable); [VB] Public Function Fill(ByVal dataSet As DataSet, ByVal adodb As Object, ByVal srcTable As String) As Integer [JScript] public function Fill(dataSet : DataSet, adodb : Object, srcTable : String) : int;

Description

Adds or refreshes rows in the System. Data. DataSet to match those in an ADO Recordset or Record object using the specified System. Data. DataSet, ADO object, and source table name. Return Value: The number of rows successfully added to or refreshed in the System.Data.DataSet. This does not include rows affected by statements that do not return rows.

The link between ActiveX Data Objects (ADO) and ADO.NET is a oneway operation in that you can copy data from ADO to the System.Data.DataSet,

but any updates to the data must be handled by ADO.NET. For more information,
see . A System.Data.DataSet to fill with records and, if necessary, schema. An
ADO Recordset or Record object. The source table used for the table mappings.
OnRowUpdated
[C#] protected override void OnRowUpdated(RowUpdatedEventArgs value);
[C++] protected: void OnRowUpdated(RowUpdatedEventArgs* value);
[VB] Overrides Protected Sub OnRowUpdated(ByVal value As
RowUpdatedEventArgs)
[JScript] protected override function OnRowUpdated(value:
RowUpdatedEventArgs);
Description
Raises the
System.Data.OleDb.OleDbDataAdapter.OnRowUpdated(System.Data.Comm
on.RowUpdatedEventArgs) event using a
System.Data.Common.RowUpdatedEventArgs object.
Raising an event invokes the event handler through a delegate. For an
overview, see . A System.Data.Common.RowUpdatedEventArgs that contains
the event data.
OnRowUpdating
[C#] protected override void OnRowUpdating(RowUpdatingEventArgs value);
[C++] protected: void OnRowUpdating(RowUpdatingEventArgs* value);
[VB] Overrides Protected Sub OnRowUpdating(ByVal value As

1	RowUpdatingEventArgs)
2	[JScript] protected override function OnRowUpdating(value:
3	RowUpdatingEventArgs);
4	
5	Description
6	Raises the
7	System.Data.OleDb.OleDbDataAdapter.OnRowUpdating(System.Data.Com
8	mon.RowUpdatingEventArgs) event using a
9	System.Data.Common.RowUpdatingEventArgs object.
10	Raising an event invokes the event handler through a delegate. For an
11	overview, see . A System.Data.Common.RowUpdatingEventArgs that contains
12	the event data.
13	ICloneable.Clone
14	
15	[C#] object ICloneable.Clone();
16	[C++] Object* ICloneable::Clone();
17	[VB] Function Clone() As Object Implements ICloneable.Clone
18	[JScript] function ICloneable.Clone(): Object;
19	OleDbDataReader class (System.Data.OleDb)
20	Update
21	
22	
23	Description
24	Provides a way of reading a forward-only stream of data rows from a data
25	source. This class cannot be inherited.

To create an System.Data.OleDb.OleDbDataReader, you must call the
System.Data.OleDb.OleDbCommand.ExecuteReader method of the
System.Data.OleDb.OleDbCommand object, rather than directly using a
constructor.
Depth
Update
[C#] public int Depth {get;}
[C++] public:property int get_Depth();
[VB] Public ReadOnly Property Depth As Integer
[JScript] public function get Depth(): int;
Description
Gets a value indicating the depth of nesting for the current row.
The outermost table has a depth of zero.
FieldCount
Update
[C#] public int FieldCount {get;}
[C++] public:property int get_FieldCount();
[VB] Public ReadOnly Property FieldCount As Integer
[JScript] public function get FieldCount(): int;
Description

Gets the number of columns in the current row.

1	After executing a query that does not return rows (for example, using the
2	System.Data.OleDb.OleDbCommand.ExecuteNonQuery method),
3	System.Data.OleDb.OleDbDataReader.FieldCount returns -1.
4	IsClosed
5	Update
6	
7	[C#] public bool IsClosed {get;}
8	[C++] public:property bool get_IsClosed();
9	[VB] Public ReadOnly Property IsClosed As Boolean
10	[JScript] public function get IsClosed() : Boolean;
11	
12	Description
13	Indicates whether the data reader is closed.
14	System.Data.OleDb.OleDbDataReader.IsClosed and
15	System.Data.OleDb.OleDbDataReader.RecordsAffected are the only properties
16	that you can call after the System.Data.OleDb.OleDbDataReader is closed.
17	Item
18	Update
19	
20	[C#] public object this[string name] {get;}
21	[C++] public:property Object* get_Item(String* name);
22	[VB] Public Default ReadOnly Property Item(ByVal name As String) As Object
23	[JScript] returnValue = OleDbDataReaderObject.Item(name);
24	
25	Description

1	Gets the value of the specified column in its native format given the column
2	name. The column name.
3	Item
4	Update
5	
6	[C#] public object this[int index] {get;}
7	[C++] public:property Object* get_Item(int index);
8	[VB] Public Default ReadOnly Property Item(ByVal index As Integer) As Object
9	[JScript] returnValue = OleDbDataReaderObject.Item(index); Gets the value of a
10	column in its native format.
11	
12	Description
13	Gets the value of the specified column in its native format given the column
14	ordinal. The column ordinal.
15	RecordsAffected
16	Update
17	
18	[C#] public int RecordsAffected {get;}
19	[C++] public:property int get_RecordsAffected();
20	[VB] Public ReadOnly Property RecordsAffected As Integer
21	[JScript] public function get RecordsAffected(): int;
22	
23	Description
24	Gets the number of rows changed, inserted, or deleted by execution of the
25	SQL statement.
•	

ı	The System.Data.OleDb.OleDbDataReader.RecordsAffected property is
2	not set until all rows are read and you close the
3	System.Data.OleDb.OleDbDataReader .
4	Close
5	
6	[C#] public void Close();
7	[C++] public:sealed void Close();
8	[VB] NotOverridable Public Sub Close()
9	[JScript] public function Close();
10	
11	Description
12	Closes the System.Data.OleDb.OleDbDataReader object.
13	You must explicitly call the
14	System.Data.OleDb.OleDbDataReader.Close method when you are through
15	using the System.Data.OleDb.OleDbDataReader to use the associated
16	System.Data.OleDb.OleDbConnection for any other purpose.
17	Finalize
18	
19	[C#] ~OleDbDataReader();
20	[C++] ~OleDbDataReader();
21	[VB] Overrides Protected Sub Finalize()
22	[JScript] protected override function Finalize();
23	
24	Description
25	·

Frees resources before the **System.Data.OleDb.OleDbDataReader** is reclaimed by the Garbage Collector.

GetBoolean

[C#] public bool GetBoolean(int ordinal);

[C++] public: sealed bool GetBoolean(int ordinal);

[VB] NotOverridable Public Function GetBoolean(ByVal ordinal As Integer) As

Boolean

1

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[JScript] public function GetBoolean(ordinal: int): Boolean;

Description

Gets the value of the specified column as a boolean.

Return Value: The value of the column.

No conversions are performed, therefore the data retrieved must already be a boolean or an exception is generated. The zero-based column ordinal.

GetByte

[C#] public byte GetByte(int ordinal);

[C++] public: sealed unsigned char GetByte(int ordinal);

[VB] NotOverridable Public Function GetByte(ByVal ordinal As Integer) As Byte

[JScript] public function GetByte(ordinal: int): Byte;

Description

Gets the value of the specified column as a byte.

Return Value: The value of the specified column as a byte.

No conversions are performed, therefore the data retrieved must already be a byte. The zero-based column ordinal.

GetBytes

[C#] public long GetBytes(int ordinal, long dataIndex, byte[] buffer, int bufferIndex, int length);

[C++] public: __sealed __int64 GetBytes(int ordinal, __int64 dataIndex, unsigned char buffer _ gc[], int bufferIndex, int length);

[VB] NotOverridable Public Function GetBytes(ByVal ordinal As Integer, ByVal dataIndex As Long, ByVal buffer() As Byte, ByVal bufferIndex As Integer, ByVal length As Integer) As Long

[JScript] public function GetBytes(ordinal : int, dataIndex : long, buffer : Byte[], bufferIndex : int, length : int) : long;

Description

Reads a stream of bytes from the offset specified column offset into the buffer as an array starting at the given buffer offset.

Return Value: The actual number of bytes read.

The actual number of bytes read can be less than the requested length, if the end of the row is reached. If you pass a buffer that is **null**,

System.Data.OleDb.OleDbDataReader.GetBytes(System.Int32,System.Int64, System.Byte[],System.Int32,System.Int32) returns the length of the row in bytes. The zero-based column ordinal. The index within the field from which to begin the read operation. The buffer into which to read the stream of bytes. The index for buffer to begin the read operation. The number of bytes to read.

lee@hayes_pac 509-324-9356 MS1-864US.APP

١Ū
ű
==
N
ĮЛ
M
Ei
,- <u>-</u> -
-
4

ű
Q
===
U
ĮЛ
ħ
H
ı, i
=
==
=======================================

C	<u>_</u>		L	۸.	
U	et	L	n	aı	Ĺ

[C#] public char GetChar(int ordinal);

[C++] public: sealed wchar t GetChar(int ordinal);

[VB] NotOverridable Public Function GetChar(ByVal ordinal As Integer) As Char

[JScript] public function GetChar(ordinal: int): Char;

Description

2

3

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the value of the specified column as a character.

Return Value: The value of the specified column.

No conversions are performed, therefore the data retrieved must already be a character. The zero-based column ordinal.

GetChars

[C#] public long GetChars(int ordinal, long dataIndex, char[] buffer, int

bufferIndex, int length);

[C++] public: __sealed __int64 GetChars(int ordinal, __int64 dataIndex,

_wchar_t buffer __gc[], int bufferIndex, int length);

[VB] NotOverridable Public Function GetChars(ByVal ordinal As Integer, ByVal

dataIndex As Long, ByVal buffer() As Char, ByVal bufferIndex As Integer,

ByVal length As Integer) As Long

[JScript] public function GetChars(ordinal: int, dataIndex: long, buffer: Char[],

bufferIndex: int, length: int): long;

Description

Reads a stream of characters from the specified column offset into the buffer as an array starting at the given buffer offset.

Return Value: The actual number of characters read.

The actual number of characters read can be less than the requested length, if the end of the field is reached. If you pass a buffer that is null, System.Data.OleDb.OleDbDataReader.GetChars(System.Int32,System.Int64, System.Char[],System.Int32,System.Int32) returns the length of the field in characters. The zero-based column ordinal. The index within the row from which to begin the read operation. The buffer into which to copy data. The index for buffer to begin the read operation. The number of characters to read.

GetData

[C#] public OleDbDataReader GetData(int ordinal);

[C++] public: OleDbDataReader* GetData(int ordinal);

[VB] Public Function GetData(ByVal ordinal As Integer) As OleDbDataReader [JScript] public function GetData(ordinal: int): OleDbDataReader;

Description

Not currently supported. The zero-based column ordinal.

GetDataTypeName

[C#] public string GetDataTypeName(int index);

[C++] public: __sealed String* GetDataTypeName(int index);

[VB] NotOverridable Public Function GetDataTypeName(ByVal index As

Integer) As String

1	[JScript] public function GetDataTypeName(index : int) : String;
2	
3	Description
4	Gets the name of the source data type.
5	Return Value: The name of the back-end data type. The zero-based column
6	ordinal.
7	GetDateTime
8	
9	[C#] public DateTime GetDateTime(int ordinal);
10	[C++] public:sealed DateTime GetDateTime(int ordinal);
11	[VB] NotOverridable Public Function GetDateTime(ByVal ordinal As Integer) As
12	DateTime
13	[JScript] public function GetDateTime(ordinal : int) : DateTime;
14	
15	Description
16	Gets the value of the specified column as a System.DateTime object.
17	Return Value: The value of the specified column.
18	No conversions are performed, therefore the data retrieved must already be
19	a System.DateTime object. The zero-based column ordinal.
20	GetDecimal
21	
22	[C#] public decimal GetDecimal(int ordinal);
23	[C++] public:sealed Decimal GetDecimal(int ordinal);
24	[VB] NotOverridable Public Function GetDecimal(ByVal ordinal As Integer) As
25	Decimal

[JScript] public function GetDecimal(ordinal: int): Decimal; 1 2 Description 3 Gets the value of the specified column as a System. Decimal object. Return Value: The value of the specified column. 5 No conversions are performed, therefore the data retrieved must already be 6 a System.Decimal object. The zero-based column ordinal. 7 GetDouble 8 9 [C#] public double GetDouble(int ordinal); 10 [C++] public: sealed double GetDouble(int ordinal); 11 [VB] NotOverridable Public Function GetDouble(ByVal ordinal As Integer) As 12 Double 13 [JScript] public function GetDouble(ordinal: int): double; 14 15 Description 16 Gets the value of the specified column as a double-precision floating point 17 number. 18 Return Value: The value of the specified column. 19 No conversions are performed, therefore the data retrieved must already be 20 a double-precision floating point number. The zero-based column ordinal. 21 GetFieldType 22 23 [C#] public Type GetFieldType(int index); 24 [C++] public: __sealed Type* GetFieldType(int index);

1	[VB] NotOverridable Public Function GetFieldType(ByVal index As Integer) As
2	Туре
3	[JScript] public function GetFieldType(index : int) : Type;
4	
5	Description
6	Gets the System. Type that is the data type of the object.
. 7	Return Value: The System. Type that is the data type of the object. The zero-based
8	column ordinal.
9	GetFloat
10	
11	[C#] public float GetFloat(int ordinal);
12	[C++] public:sealed float GetFloat(int ordinal);
13	[VB] NotOverridable Public Function GetFloat(ByVal ordinal As Integer) As
14	Single
15	[JScript] public function GetFloat(ordinal : int) : float;
16	
17	Description
18	Gets the value of the specified column as a single-precision floating point
19	number.
. 20	Return Value: The value of the specified column.
21	No conversions are performed, therefore the data retrieved must already be
22	a single-precision floating point number. The zero-based column ordinal.
23	GetGuid
24	
25	[C#] public Guid GetGuid(int ordinal);
11	

1	
1	[C++] public:sealed Guid GetGuid(int ordinal);
2	[VB] NotOverridable Public Function GetGuid(ByVal ordinal As Integer) As
3	Guid
4	[JScript] public function GetGuid(ordinal : int) : Guid;
5	
6	Description
7	Gets the value of the specified column as a globally-unique identifier
8	(GUID).
9	Return Value: The value of the specified column.
10	No conversions are performed, therefore the data retrieved must already be
11	a globally-unique identifier. The zero-based column ordinal.
12	GetInt16
13	
14	[C#] public short GetInt16(int ordinal);
15	[C++] public:sealed short GetInt16(int ordinal);
16	[VB] NotOverridable Public Function GetInt16(ByVal ordinal As Integer) As
17	Short
18	[JScript] public function GetInt16(ordinal: int): Int16;
19	
20	Description
21	Gets the value of the specified column as a 16-bit signed integer.
22	Return Value: The value of the specified column.
23	No conversions are performed, therefore the data retrieved must already be
24	a 16-bit signed integer. The zero-based column ordinal.
25	GetInt32

1	
2	[C#] public int GetInt32(int ordinal);
3	[C++] public:sealed int GetInt32(int ordinal);
4	[VB] NotOverridable Public Function GetInt32(ByVal ordinal As Integer) As
5	Integer
6	[JScript] public function GetInt32(ordinal: int): int;
7	
8	Description
9	Gets the value of the specified column as a 32-bit signed integer.
10	Return Value: The value of the specified column.
11	No conversions are performed, therefore the data retrieved must already be
12	a 32-bit signed integer. The zero-based column ordinal.
13	GetInt64
14	
15	[C#] public long GetInt64(int ordinal);
16	[C++] public:sealedint64 GetInt64(int ordinal);
17	[VB] NotOverridable Public Function GetInt64(ByVal ordinal As Integer) As
18	Long
19	[JScript] public function GetInt64(ordinal : int) : long;
20	
21	Description
22	Gets the value of the specified column as a 64-bit signed integer.
23	Return Value: The value of the specified column.
24	No conversions are performed, therefore the data retrieved must already be
25	a 64-bit signed integer. The zero-based column ordinal.

;==
١D
ij
IŲ
IJ
m
Ξ÷
الم.
]=
<u> </u>

1	GetName
2	
3	[C#] public string GetName(int index);
4	[C++] public:sealed String* GetName(int index);
5	[VB] NotOverridable Public Function GetName(ByVal index As Integer) As
6	String
7	[JScript] public function GetName(index : int) : String;
8	· ·
9	Description
10	Gets the name of the specified column.
11	Return Value: The name of the specified column. The zero-based column ordinal
12	GetOrdinal
13	
14	[C#] public int GetOrdinal(string name);
15	[C++] public:sealed int GetOrdinal(String* name);
16	[VB] NotOverridable Public Function GetOrdinal(ByVal name As String) As
17	Integer
18	[JScript] public function GetOrdinal(name : String) : int;
19	
20	Description
21	Gets the column ordinal, given the name of the column.
22	Return Value: The zero-based column ordinal. The name of the column.
23	GetSchemaTable
. 24	
25	[C#] public DataTable GetSchemaTable();

[C++] public: sealed DataTable* GetSchemaTable(); [VB] NotOverridable Public Function GetSchemaTable() As DataTable 2 [JScript] public function GetSchemaTable() : DataTable; 3 Description 5 Returns a System.Data.DataTable that describes the column metadata of 6 the System.Data.OleDb.OleDbDataReader. 7 Return Value: A System.Data.DataTable that describes the column metadata. 8 The System.Data.OleDb.OleDbDataReader.GetSchemaTable method 9 maps to the OLE DB IColumnsRowset::GetColumnsRowset method, and returns 10 metadata about each column in the following order: DataReader Column OLE DB 11 Column ID Description ColumnName DBCOLUMN NAME The name of the 12 column; this might not be unique. If this cannot be determined, a null value is 13 returned. This name always reflects the most recent renaming of the column in the 14 current view or command text. 15 GetString 16 17 [C#] public string GetString(int ordinal); 18 [C++] public: sealed String* GetString(int ordinal); 19 [VB] NotOverridable Public Function GetString(ByVal ordinal As Integer) As 20 String 21 [JScript] public function GetString(ordinal: int): String; 22 23 Description 24

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets the value of the specified column as a string.

Return Value: The value of the specified column.

No conversions are performed, therefore the data retrieved must already be a string. The zero-based column ordinal.

GetTimeSpan

[C#] public TimeSpan GetTimeSpan(int ordinal);

[C++] public: TimeSpan GetTimeSpan(int ordinal);

[VB] Public Function GetTimeSpan(ByVal ordinal As Integer) As TimeSpan

[JScript] public function GetTimeSpan(ordinal: int): TimeSpan;

Description

Gets the value of the specified column as a System.TimeSpan object.

Return Value: The value of the specified column.

No conversions are performed, therefore the data retrieved must already be a **System.TimeSpan** object. The zero-based column ordinal.

GetValue

[C#] public object GetValue(int ordinal);

[C++] public: __sealed Object* GetValue(int ordinal);

[VB] NotOverridable Public Function GetValue(ByVal ordinal As Integer) As

Object

[JScript] public function GetValue(ordinal: int): Object; Gets the value of the specified column in its native format.

1 Description 2 Gets the value of the column at the specified ordinal in its native format. 3 Return Value: The value to return. The zero-based column ordinal. **GetValues** 5 6 [C#] public int GetValues(object[] values); 7 [C++] public: sealed int GetValues(Object* values gc[]); 8 [VB] NotOverridable Public Function GetValues(ByVal values() As Object) As 9 Integer 10 [JScript] public function GetValues(values : Object[]) : int; 11 12 Description 13 Gets all the attribute columns in the current row. 14 Return Value: The number of instances of System. Object in the array. 15 For most applications, the 16 System.Data.OleDb.OleDbDataReader.GetValues(System.Object[]) method 17 provides an efficient means for retrieving all columns, rather than retrieving each 18 column individually. An array of System. Object into which to copy the attribute 19 columns. 20 **IsDBNull** 21 22 [C#] public bool IsDBNull(int ordinal); 23 [C++] public: sealed bool IsDBNull(int ordinal); 24

[VB] NotOverridable Public Function IsDBNull(ByVal ordinal As Integer) As

1	Boolean
	[JScript] public function IsDBNull(ordinal: int): Boolean;
2	[13cript] public function isDBNun(ordinar . int) . Boolean,
3	
4	Description
5	Gets a value indicating whether the column contains non-existant or
6	missing values.
7	Return Value: true if the specified column value is equivalent to System.DBNull;
8	otherwise, false. The zero-based column ordinal.
9	NextResult
10	
11	[C#] public bool NextResult();
12	[C++] public:sealed bool NextResult();
13	[VB] NotOverridable Public Function NextResult() As Boolean
14	[JScript] public function NextResult() : Boolean;
15	
16	Description
17	Advances the data reader to the next result, when reading the results of
18	batch SQL statements.
19	Return Value: true if there are more rows; otherwise, false.
20	Used to process multiple results, which can be generated by executing
21	batch SQL statements.
22	Read
23	
24	[C#] public bool Read();
25	[C++] public:sealed bool Read();

1	[VB] NotOverridable Public Function Read() As Boolean
2	[JScript] public function Read(): Boolean;
3	
4	Description
5	Advances the System.Data.OleDb.OleDbDataReader to the next record.
6	Return Value: true if there are more rows; otherwise, false.
7	The default position of the System.Data.OleDb.OleDbDataReader is
8	prior to the first record. Therefore, you must call
9	System.Data.OleDb.OleDbDataReader.Read to begin accessing any data.
10	IEnumerable.GetEnumerator
11	
12	[C#] IEnumerator IEnumerable.GetEnumerator();
13	[C++] IEnumerator* IEnumerable::GetEnumerator();
14	[VB] Function GetEnumerator() As IEnumerator Implements
15	IEnumerable.GetEnumerator
16	[JScript] function IEnumerable.GetEnumerator(): IEnumerator;
17	IDataRecord.GetData
18	·
19	[C#] IDataReader IDataRecord.GetData(int ordinal);
20	[C++] IDataReader* IDataRecord::GetData(int ordinal);
21	[VB] Function GetData(ByVal ordinal As Integer) As IDataReader Implements
22	IDataRecord.GetData
23	[JScript] function IDataRecord.GetData(ordinal: int): IDataReader;
24	IDisposable.Dispose
25	

[C#] void IDisposable.Dispose();
[C++] void IDisposable::Dispose();
[VB] Sub Dispose() Implements IDisposable.Disposa
[JScript] function IDisposable.Dispose();
OleDbError class (System.Data.OleDb)
ToString

Description

Collects information relevant to a warning or error returned by the data source. This class cannot be inherited.

This class is created by the OleDb data adapter when an error occurs. An instance of System.Data.OleDb.OleDbError is created and managed by the System.Data.OleDb.OleDbErrorCollection class, which in turn is created by the System.Data.OleDb.OleDbException class.

Message ToString

[C#] public string Message {get;}

[C++] public: __property String* get_Message();

[VB] Public ReadOnly Property Message As String

[JScript] public function get Message(): String;

Description

	1	Gets a short description of the error.
	2	NativeError
	3	ToString
	4	
	5	[C#] public int NativeError {get;}
	6	[C++] public:property int get_NativeError();
	7	[VB] Public ReadOnly Property NativeError As Integer
	8	[JScript] public function get NativeError(): int;
]	9	
dealth from	10	Description
	11	Gets the database-specific error information.
	12	Source
	13	ToString
	14	
	15	[C#] public string Source {get;}
	16	[C++] public:property String* get_Source();
	17	[VB] Public ReadOnly Property Source As String
	18	[JScript] public function get Source() : String;
	19	
	20	Description
	21	Gets the name of the provider that generated the error.
	22	SQLState
	23	ToString
	24	
	25	[C#] public string SOLState {get:}

1	[C++] public:property String* get_SQLState();
2	[VB] Public ReadOnly Property SQLState As String
3	[JScript] public function get SQLState() : String;
4	
5	Description
6	Gets the five-character error code following the ANSI SQL standard for the
7	database.
8	ToString
9	
10	[C#] public override string ToString();
11	[C++] public: String* ToString();
12	[VB] Overrides Public Function ToString() As String
13	[JScript] public override function ToString() : String;
14	
15	Description
16	Gets the complete text of the error message.
17	Return Value: The complete text of the error.
18	The string is in the form "OleDbError:", followed by the
19	System.Data.OleDb.OleDbError.Message, and the stack trace. For example:
20	OleDbError:UserId or Password not valid. The following example displays each
21	System.Data.OleDb.OleDbError within the
22	System.Data.OleDb.OleDbErrorCollection collection.
23	OleDbErrorCollection class (System.Data.OleDb)
24	ToString
25	

1	
2	
3	Description
4	Collects all errors generated by the adapter. This class cannot be inherited.
5	This class is created by System.Data.OleDb.OleDbException to collect
6	instances of the System.Data.OleDb.OleDbError class.
7	Count
8	ToString
9	
10	[C#] public int Count {get;}
11	[C++] public:property int get_Count();
12	[VB] Public ReadOnly Property Count As Integer
13	[JScript] public function get Count(): int;
14	
15	Description
16	Gets the number of errors in the collection.
17	Item
18	ToString
19	·
20	[C#] public OleDbError this[int index] {get;}
21	[C++] public:property OleDbError* get_Item(int index);
22	[VB] Public Default ReadOnly Property Item(ByVal index As Integer) As
23	OleDbError
24	[JScript] returnValue = OleDbErrorCollectionObject.Item(index);
25	

3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	

\mathbf{r}				. •	
1)	esc	rı	n	111	nr
$\boldsymbol{\mathcal{L}}$., ı	$\boldsymbol{\nu}$,,,	,,,

Gets the error at the specified index.

The following example displays each **System.Data.OleDb.OleDbError** within the **System.Data.OleDb.OleDbErrorCollection** collection. The zero-based index of the error to retrieve.

CopyTo

[C#] public void CopyTo(Array array, int index);

[C++] public: sealed void CopyTo(Array* array, int index);

[VB] NotOverridable Public Sub CopyTo(ByVal array As Array, ByVal index As Integer)

[JScript] public function CopyTo(array: Array, index: int);

Description

Copies the elements of the **System.Data.OleDb.OleDbErrorCollection** into an **System.Array**, starting at the given index within the **System.Array**. The **System.Array** into which to copy the elements. The starting index of the *array*.

GetEnumerator

[C#] public IEnumerator GetEnumerator();

[C++] public: sealed IEnumerator* GetEnumerator();

[VB] NotOverridable Public Function GetEnumerator() As IEnumerator

[JScript] public function GetEnumerator(): IEnumerator;

25

19

20

21

22

23

1	
2	Description
3	OleDbException class (System.Data.OleDb)
4	ToString
5	
6	
7	Description
8	The exception that is thrown when a warning or error is returned by an
9	OLE DB data source. This class cannot be inherited.
10	This class is created whenever the OleDb adapter encounters a situation that
11	it cannot handle. It always contains at least one instance of
12	System.Data.OleDb.OleDbError.
13	ErrorCode
14	ToString
15	
16	[C#] public override int ErrorCode {get;}
17	[C++] public:property virtual int get_ErrorCode();
18	[VB] Overrides Public ReadOnly Property ErrorCode As Integer
19	[JScript] public function get ErrorCode(): int;
20	
21	Description
22	Errors
23	ToString
24	
25	[C#] public OleDbErrorCollection Errors {get;}



[C++] public: __property OleDbErrorCollection* get_Errors();[VB] Public ReadOnly Property Errors As OleDbErrorCollection[JScript] public function get Errors(): OleDbErrorCollection;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets a collection of one or more **System.Data.OleDb.OleDbError** objects that give detailed information about exceptions generated by the OLE DB .NET Data Provider.

The **System.Data.OleDb.OleDbErrorCollection** class always contains at least one instance of the **System.Data.OleDb.OleDbError** class.

HelpLink

HResult

InnerException

Message

ToString

Description

Gets the text describing the error.

This is a wrapper for the System.Data.OleDb.OleDbError.Message property of the first System.Data.OleDb.OleDbError in the System.Data.OleDb.OleDbException.Errors collection property.

Source

ToString

1	
2	[C#] public override string Source {get;}
3	[C++] public:property virtual String* get_Source();
4	[VB] Overrides Public ReadOnly Property Source As String
5	[JScript] public function get Source(): String;
6	
7	Description
8	Gets the name of the provider that generated the error.
9	This is a wrapper for the System.Data.OleDb.OleDbError.Source
10	property of the first System.Data.OleDb.OleDbError in the
11	System.Data.OleDb.OleDbException.Errors collection.
12	StackTrace
13	TargetSite
14	ISerializable.GetObjectData
15	
16	[C#] void ISerializable.GetObjectData(SerializationInfo si, StreamingContext
17	context);
18	[C++] void ISerializable::GetObjectData(SerializationInfo* si, StreamingContex
19	context);
20	[VB] Sub GetObjectData(ByVal si As SerializationInfo, ByVal context As
21	StreamingContext) Implements ISerializable.GetObjectData
22	[JScript] function ISerializable.GetObjectData(si: SerializationInfo, context:
23	StreamingContext);
24	OleDbInfoMessageEventArgs class (System.Data.OleDb)
25	ToString



Description

2

3

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Provides data for the

System.Data.OleDb.OleDbConnection.InfoMessage event. This class cannot be inherited.

The System.Data.OleDb.OleDbConnection.InfoMessage event contains an System.Data.OleDb.OleDbErrorCollection collection with warnings sent from the data source.

ErrorCode

ToString

[C#] public int ErrorCode {get;}

[C++] public: __property int get_ErrorCode();

[VB] Public ReadOnly Property ErrorCode As Integer

[JScript] public function get ErrorCode(): int;

Description

Gets the HRESULT following the ANSI SQL standard for the database.

This is a wrapper for the **System.Data.OleDb.OleDbError.SQLState** property of the first **System.Data.OleDb.OleDbError** in the

 ${\bf System. Data. Ole Db. Ole DbIn fo Message Event Args. Errors \ collection.}$

Errors

ToString

1	
2	[C#] public OleDbErrorCollection Errors {get;}
3	[C++] public:property OleDbErrorCollection* get_Errors();
4	[VB] Public ReadOnly Property Errors As OleDbErrorCollection
5	[JScript] public function get Errors() : OleDbErrorCollection;
6	
7	Description
8	Gets the collection of warnings sent from the data source.
9	Message
10	ToString
11	
12	[C#] public string Message {get;}
13	[C++] public:property String* get_Message();
14	[VB] Public ReadOnly Property Message As String
15	[JScript] public function get Message() : String;
16	
17	Description
18	Gets the full text of the error sent from the data source.
19	This is a wrapper for the System.Data.OleDb.OleDbError.Message
20	property of the first System.Data.OleDb.OleDbError in the
21	System.Data.OleDb.OleDbInfoMessageEventArgs.Errors collection.
22	Source
23	ToString
24	
25	[C#] public string Source {get;}

ク





1	[C++] public:property String* get_Source();
2	[VB] Public ReadOnly Property Source As String
3	[JScript] public function get Source(): String;
4	
5	Description
6	Gets the name of the object that generated the error.
7	This is a wrapper for the System.Data.OleDb.OleDbError.Source
8	property of the first System.Data.OleDb.OleDbError in the
9	System.Data.OleDb.OleDbInfoMessageEventArgs.Errors collection.
10	ToString
11	
12	[C#] public override string ToString();
13	[C++] public: String* ToString();
14	[VB] Overrides Public Function ToString() As String
15	[JScript] public override function ToString() : String;
16	
17	Description
18	Retrieves a string representation of the
19	System.Data.OleDb.OleDbConnection.InfoMessage event.
20	Return Value: A string representing the
21	System.Data.OleDb.OleDbConnection.InfoMessage event.
22	OleDbInfoMessageEventHandler delegate (System.Data.OleDb)
23	ToString
24	
25	

Description

Represents the method that will handle the

System.Data.OleDb.OleDbConnection.InfoMessage event of an

System.Data.OleDb.OleDbConnection . The source of the event. An

System.Data.OleDb.OleDbInfoMessageEventArgs object that contains the event data.

When you create an **System.Data.OleDb.OleDbInfoMessageEventArgs** delegate, you identify the method that will handle the event. To associate the event with your event handler, add an instance of the delegate to the event. The event handler is called whenever the event occurs, unless you remove the delegate. For more information about event handler delegates, see .

OleDbLiteral enumeration (System.Data.OleDb)

ToString

Description

Returns information about literals used in text commands, data values, and database objects.

The **System.Data.OleDb.OleDbLiteral** enumeration returns the following categories of literal information.

ToString

[C#] public const OleDbLiteral Binary_Literal;





	•
1	[C++] public: const OleDbLiteral Binary_Literal;
2	[VB] Public Const Binary_Literal As OleDbLiteral
3	[JScript] public var Binary_Literal : OleDbLiteral;
4	
5	Description
6	A binary literal in a text command.
7	ToString
8	
9	[C#] public const OleDbLiteral Catalog_Name;
0	[C++] public: const OleDbLiteral Catalog_Name;
1	[VB] Public Const Catalog_Name As OleDbLiteral

Description

A catalog name in a text command.

ToString

[JScript] public var Catalog_Name : OleDbLiteral;

[C#] public const OleDbLiteral Catalog_Separator;[C++] public: const OleDbLiteral Catalog_Separator;[VB] Public Const Catalog_Separator As OleDbLiteral[JScript] public var Catalog_Separator : OleDbLiteral;

Description

The character that separates the catalog name from the rest of the identifier in a text command.

ū
Q
IJ
M
J
J
H
-
≟
=
===

11

12

13

14

15

16

17

18

19

20

21

22

23

24

2

3

[C#] public const OleDbLiteral Char_Literal; [C++] public: const OleDbLiteral Char Literal; [VB] Public Const Char Literal As OleDbLiteral [JScript] public var Char Literal: OleDbLiteral;

Description

A character literal in a text command. **ToString**

[C#] public const OleDbLiteral Column_Alias; [C++] public: const OleDbLiteral Column Alias; [VB] Public Const Column Alias As OleDbLiteral [JScript] public var Column_Alias : OleDbLiteral;

Description

A column alias in a text command. **ToString**

[C#] public const OleDbLiteral Column Name; [C++] public: const OleDbLiteral Column_Name; [VB] Public Const Column Name As OleDbLiteral [JScript] public var Column Name: OleDbLiteral;

1	
2	Description
3	A column name used in a text command or in a data-definition interface.
4	ToString
5	
6	[C#] public const OleDbLiteral Correlation_Name;
7	[C++] public: const OleDbLiteral Correlation_Name;
8	[VB] Public Const Correlation_Name As OleDbLiteral
9	[JScript] public var Correlation_Name : OleDbLiteral;
10	
11	Description
12	A correlation name (table alias) in a text command.
13	ToString
14	
15	[C#] public const OleDbLiteral Cube_Name;
16	[C++] public: const OleDbLiteral Cube_Name;
17	[VB] Public Const Cube_Name As OleDbLiteral
18	[JScript] public var Cube_Name : OleDbLiteral;
19	
20	Description
21	The name of a cube in a schema (or the catalog if the provider does not
22	support schemas).
23	ToString
24	
ا ء ا	[C#] public const OleDbI iteral Cursor Name:

1	[C++] public: const OleDbLiteral Cursor_Name;
.2	[VB] Public Const Cursor_Name As OleDbLiteral
3	[JScript] public var Cursor_Name : OleDbLiteral;
4	
. 5	Description
6	A cursor name in a text command.
7	ToString
8	
9	[C#] public const OleDbLiteral Dimension_Name;
10	[C++] public: const OleDbLiteral Dimension_Name;
11	[VB] Public Const Dimension_Name As OleDbLiteral
12	[JScript] public var Dimension_Name : OleDbLiteral;
13	
14	Description
15	The name of the dimension. If a dimension is part of more than one cube,
16	there is one row for each cube/dimension combination.
17	ToString
18	
19	[C#] public const OleDbLiteral Escape_Percent_Prefix;
20	[C++] public: const OleDbLiteral Escape_Percent_Prefix;
21	[VB] Public Const Escape_Percent_Prefix As OleDbLiteral
22	[JScript] public var Escape_Percent_Prefix : OleDbLiteral;
23	
24	Description
25	

The character used in a LIKE clause to escape the character returned for the DBLITERAL_LIKE_PERCENT literal. For example, if a percent sign (%) is used to match zero or more characters and this is a backslash (\), the characters "abc\%%" match all character values that start with "abc%". Some SQL dialects support a clause (the ESCAPE clause) that can be used to override this value.

ToString

[C#] public const OleDbLiteral Escape_Percent_Suffix;[C++] public: const OleDbLiteral Escape_Percent_Suffix;[VB] Public Const Escape_Percent_Suffix As OleDbLiteral

[JScript] public var Escape Percent Suffix : OleDbLiteral;

Description

The escape character, if any, used to suffix the character returned for the DBLITERAL_LIKE_PERCENT literal. For example, if a percent sign (%) is used to match zero or more characters and percent signs are escaped by enclosing in open and close square brackets, DBLITERAL_ESCAPE_PERCENT_PREFIX is "[", DBLITERAL_ESCAPE_PERCENT_SUFFIX is "]", and the characters "abc[%]%" match all character values that start with "abc%". Providers that do not use a suffix character to escape the DBLITERAL_ESCAPE_PERCENT character do not return this literal value and can set the lt member of the DBLITERAL structure to DBLITERAL_INVALID if requested.

ToString

[C#] public const OleDbLiteral Escape_Underscore_Prefix;

[C++] public: const OleDbLiteral Escape_Underscore_Prefix;[VB] Public Const Escape_Underscore_Prefix As OleDbLiteral[JScript] public var Escape_Underscore_Prefix : OleDbLiteral;

Description

The character used in a LIKE clause to escape the character returned for the DBLITERAL_LIKE_UNDERSCORE literal. For example, if an underscore (_) is used to match exactly one character and this is a backslash (\), the characters "abc__" match all character values that are five characters long and start with "abc_". Some SQL dialects support a clause (the ESCAPE clause) that can be used to override this value.

ToString

[C#] public const OleDbLiteral Escape_Underscore_Suffix;[C++] public: const OleDbLiteral Escape_Underscore_Suffix;[VB] Public Const Escape_Underscore_Suffix As OleDbLiteral[JScript] public var Escape_Underscore_Suffix : OleDbLiteral;

Description

The character used in a LIKE clause to escape the character returned for the DBLITERAL_LIKE_UNDERSCORE literal. For example, if an underscore (_) is used to match exactly one character and this is a backslash (\), the characters "abc__" match all character values that are five characters long and start with "abc_". Some SQL dialects support a clause (the ESCAPE clause) that can be used to override this value.

lee@hayes pac 500-324-9366 681 MS1-864US.APF

tune.	=	
ŧ,	í	-
ŧ	Ė	3
1	=	j
1	Ž,	7
Į,		7
į,	į	Ē
É	=	3
53		
1	=	-
٠.		1
Ē	-	<u>.</u>
Ë		
1	=	
į.		

1	ToString
2	
3	[C#] public const OleDbLiteral Hierarchy_Name;
4	[C++] public: const OleDbLiteral Hierarchy_Name;
5	[VB] Public Const Hierarchy_Name As OleDbLiteral
6	[JScript] public var Hierarchy_Name : OleDbLiteral;
7	
8	Description
9	The name of the hierarchy. If the dimension does not contain a hierarchy or
10	has only one hierarchy, the current column contains a null value.
11	ToString
12	
13	[C#] public const OleDbLiteral Index_Name;
14	[C++] public: const OleDbLiteral Index_Name;
15	[VB] Public Const Index_Name As OleDbLiteral
16	[JScript] public var Index_Name : OleDbLiteral;
17	
18	Description
19	An index name used in a text command or in a data-definition interface.
20	ToString
21	
22	[C#] public const OleDbLiteral Invalid;
23	[C++] public: const OleDbLiteral Invalid;
24	[VB] Public Const Invalid As OleDbLiteral
25	[JScript] public var Invalid : OleDbLiteral;

Description 2 An invalid value. 3 **ToString** 5 [C#] public const OleDbLiteral Level Name; 6 [C++] public: const OleDbLiteral Level Name; [VB] Public Const Level Name As OleDbLiteral 8 [JScript] public var Level Name: OleDbLiteral; 9 10 Description 11 Name of the cube to which the current level belongs. 12 **ToString** 13 14 [C#] public const OleDbLiteral Like Percent; 15 [C++] public: const OleDbLiteral Like Percent; 16 [VB] Public Const Like Percent As OleDbLiteral 17 [JScript] public var Like Percent : OleDbLiteral; 18 19 Description 20 21 22

The character used in a LIKE clause to match zero or more characters. For example, if this is a percent sign (%), the characters "abc%" match all character values that start with "abc".

ToString

23

24

1	
2	[C#] public const OleDbLiteral Like_Underscore;
3	[C++] public: const OleDbLiteral Like_Underscore;
4	[VB] Public Const Like_Underscore As OleDbLiteral
5	[JScript] public var Like_Underscore : OleDbLiteral;
6	
7	Description
8	The character used in a LIKE clause to match exactly one character. For
9	example, if this is an underscore (_), the characters "abc_" match all character
10	values that are four characters long and start with "abc".
11	ToString
12	
13	[C#] public const OleDbLiteral Member_Name;
14	[C++] public: const OleDbLiteral Member_Name;
15	[VB] Public Const Member_Name As OleDbLiteral
16	[JScript] public var Member_Name : OleDbLiteral;
17	
18	Description
19	The name of the member.
20	ToString
21	
22	[C#] public const OleDbLiteral Procedure_Name;
23	[C++] public: const OleDbLiteral Procedure_Name;
24	[VB] Public Const Procedure_Name As OleDbLiteral
25	[IScript] public var Procedure Name : OleDbLiteral:

1 Description 2 A procedure name in a text command. 3 **ToString** 5 [C#] public const OleDbLiteral Property Name; 6 [C++] public: const OleDbLiteral Property Name; 7 [VB] Public Const Property_Name As OleDbLiteral 8 [JScript] public var Property Name: OleDbLiteral; 9 10 Description 11 The name of the property. 12 **ToString** 13 14 [C#] public const OleDbLiteral Quote Prefix; 15 [C++] public: const OleDbLiteral Quote Prefix; 16 [VB] Public Const Quote Prefix As OleDbLiteral 17 [JScript] public var Quote Prefix : OleDbLiteral; 18 19 Description 20 The character used in a text command as the opening quote for quoting 21 identifiers that contain special characters. 22 **ToString** 23

[C#] public const OleDbLiteral Quote_Suffix;

24

[C++] public: const OleDbLiteral Quote_Suffix;

[VB] Public Const Quote_Suffix As OleDbLiteral

[JScript] public var Quote_Suffix: OleDbLiteral;

Description

The character used in a text command as the identifiers that contain special characters. 1.x prov

The character used in a text command as the closing quote for quoting identifiers that contain special characters. 1.x providers that use the same character as the prefix and suffix may not return this literal value and can set the lt member of the DBLITERAL structure to DBLITERAL_INVALID if requested.

ToString

[C#] public const OleDbLiteral Schema_Name;

[C++] public: const OleDbLiteral Schema_Name;

[VB] Public Const Schema_Name As OleDbLiteral

[JScript] public var Schema_Name : OleDbLiteral;

Description

A schema name in a text command.

ToString

[C#] public const OleDbLiteral Schema_Separator;

[C++] public: const OleDbLiteral Schema_Separator;

[VB] Public Const Schema Separator As OleDbLiteral

[JScript] public var Schema_Separator : OleDbLiteral;

	- II	
	2	Description
	3	The character that separates the schema name from the rest of the identifier
	4	in a text command.
	5	ToString
	6	
	7	[C#] public const OleDbLiteral Table_Name;
	8	[C++] public: const OleDbLiteral Table_Name;
i-1	9	[VB] Public Const Table_Name As OleDbLiteral
	10	[JScript] public var Table_Name : OleDbLiteral;
	11	
	12	Description
	13	A table name used in a text command or in a data-definition interface.
	14	ToString
	15	
	16	[C#] public const OleDbLiteral Text_Command;
	17	[C++] public: const OleDbLiteral Text_Command;
	18	[VB] Public Const Text_Command As OleDbLiteral
	19	[JScript] public var Text_Command : OleDbLiteral;
	20	
	21	Description
	22	A text command, such as an SQL statement.
	23	ToString
	24	
	25	[C#] public const OleDbLiteral User_Name;

1	[C++] public: const OleDbLiteral User_Name;
2	[VB] Public Const User_Name As OleDbLiteral
3	[JScript] public var User_Name : OleDbLiteral;
4	
5	Description
6	A user name in a text command.
7	ToString
8	
9	[C#] public const OleDbLiteral View_Name;
10	[C++] public: const OleDbLiteral View_Name;
11	[VB] Public Const View_Name As OleDbLiteral
12	[JScript] public var View_Name : OleDbLiteral;
13	
14	Description
15	A view name in a text command.
16	OleDbParameter class (System.Data.OleDb)
17	ToString
18	
19	
20	Description
21	Represents a parameter to an System.Data.OleDb.OleDbCommand and
22	optionally, its mapping to a System.Data.DataSet column.
23	Parameter names are not case sensitive.

Example Syntax:

OleDbParameter

23

24

ŧΦ
٠D
Ш
M
(71
 Ei
.fl
<u>-</u>
i mar

	1	ToString
	2	
	3	[C#] public OleDbParameter();
	4	[C++] public: OleDbParameter();
	5	[VB] Public Sub New()
	6	[JScript] public function OleDbParameter(); Initializes a new instance of the
	7	System.Data.OleDb.OleDbParameter class.
	8	
اردرد ويدوو	9	Description
	10	Initializes a new instance of the System.Data.OleDb.OleDbParameter
	11	class.
	12	OleDbParameter
	13	Example Syntax:
	14	ToString
	15	· ·
] -	16	[C#] public OleDbParameter(string name, object value);
	17	[C++] public: OleDbParameter(String* name, Object* value);
	18	[VB] Public Sub New(ByVal name As String, ByVal value As Object)
	19	[JScript] public function OleDbParameter(name : String, value : Object);
	20	
	21	Description
	22	Initializes a new instance of the System.Data.OleDb.OleDbParameter
	23	class with the parameter name and an System.Data.OleDb.OleDbParameter
	24	object. The name of the parameter to map. An
	25	System.Data.OleDb.OleDbParameter object.

1	l
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

ByVal size As Integer)

1	OleDbParameter
2	Example Syntax:
3	ToString
4	
5	[C#] public OleDbParameter(string name, OleDbType dataType);
6	[C++] public: OleDbParameter(String* name, OleDbType dataType);
7	[VB] Public Sub New(ByVal name As String, ByVal dataType As OleDbType)
8	[JScript] public function OleDbParameter(name : String, dataType : OleDbType);
9	
10	Description
11	Initializes a new instance of the System.Data.OleDb.OleDbParameter
12	class with the parameter name and data type.
13	The data type, and if appropriate,
14	System.Data.OleDb.OleDbParameter.Size and
15	System.Data.OleDb.OleDbParameter.Precision are inferred from the value of
16	the dataType parameter. The name of the parameter to map. One of the
17	System.Data.OleDb.OleDbType values.
18	OleDbParameter
19	Example Syntax:
20	ToString
21	
22	[C#] public OleDbParameter(string name, OleDbType dataType, int size);
23	[C++] public: OleDbParameter(String* name, OleDbType dataType, int size);
24	[VB] Public Sub New(ByVal name As String, ByVal dataType As OleDbType,

MS1-864US.APP

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[JScript] public function OleDbParameter(name : String, dataType : OleDbType, size: int); Description Initializes a new instance of the System.Data.OleDb.OleDbParameter class with the parameter name, data type, and width. The System.Data.OleDb.OleDbParameter.Size is inferred from the value of the dataType parameter if it is not explicitly set in the size parameter. The name of the parameter to map. One of the System.Data.OleDb.OleDbType values. The width of the parameter. OleDbParameter Example Syntax: **ToString** [C#] public OleDbParameter(string name, OleDbType dataType, int size, string srcColumn); [C++] public: OleDbParameter(String* name, OleDbType dataType, int size, String* srcColumn); [VB] Public Sub New(ByVal name As String, ByVal dataType As OleDbType, ByVal size As Integer, ByVal srcColumn As String) [JScript] public function OleDbParameter(name : String, dataType : OleDbType, size: int, srcColumn: String); Description

Initializes a new instance of the **System.Data.OleDb.OleDbParameter** class with the parameter name, data type, width, and source column name.

The **System.Data.OleDb.OleDbParameter.Size** is inferred from the value of the *dataType* parameter if it is not explicitly set in the *size* parameter. The name of the parameter to map. One of the **System.Data.OleDb.OleDbType** values. The width of the parameter. The name of the source column.

OleDbParameter

Example Syntax:

ToString

[C#] public OleDbParameter(string parameterName, OleDbType dbType, int size, ParameterDirection direction, bool isNullable, byte precision, byte scale, string srcColumn, DataRowVersion srcVersion, object value);

[C++] public: OleDbParameter(String* parameterName, OleDbType dbType, int size, ParameterDirection direction, bool isNullable, unsigned char precision, unsigned char scale, String* srcColumn, DataRowVersion srcVersion, Object* value);

[VB] Public Sub New(ByVal parameterName As String, ByVal dbType As
OleDbType, ByVal size As Integer, ByVal direction As ParameterDirection,
ByVal isNullable As Boolean, ByVal precision As Byte, ByVal scale As Byte,
ByVal srcColumn As String, ByVal srcVersion As DataRowVersion, ByVal value
As Object)

 $[JScript]\ public\ function\ Ole Db Parameter (parameter Name: String,\ db Type: Parameter (parameter Name)) and the property of the propert$

OleDbType, size: int, direction: ParameterDirection, isNullable: Boolean,

precision: Byte, scale: Byte, srcColumn: String, srcVersion: DataRowVersion,

value : Object); 2 Description 3 Initializes a new instance of the System.Data.OleDb.OleDbParameter class with the parameter name, data type, width, source column name, parameter 5 direction, numeric precision, and other properties. The System.Data.OleDb.OleDbParameter.Size and 7 System.Data.OleDb.OleDbParameter.Precision are inferred from the value of 8 the dataType parameter if they are not explicity set in the size and precision parameters. The name of the parameter. One of the 10 System.Data.OleDb.OleDbType values. The width of the parameter. One of the 11 System.Data.ParameterDirection values. true if the value of the field can be 12 null; otherwise, false. The total number of digits to the left and right of the 13 decimal point to which System.Data.OleDb.OleDbParameter.Value is resolved. 14 The total number of decimal places to which 15 System.Data.OleDb.OleDbParameter.Value is resolved. The name of the source 16 column. One of the System.Data.DataRowVersion values. An System.Object 17 that is the value of the **System.Data.OleDb.OleDbParameter**. 18 DbType 19 **ToString** 20 21 [C#] public DbType DbType {get; set;} 22 [C++] public: property DbType get DbType();public: property void 23 set DbType(DbType); 24

25

[VB] Public Property DbType As DbType

1	[JScript] public function get DbType() : DbType;public function set
2	DbType(DbType);
3	
4	Description
5	Gets or sets the System.Data.DbType of the parameter.
6	The System.Data.OleDb.OleDbParameter.OleDbType and
7	System.Data.OleDb.OleDbParameter.DbType are linked. Therefore, setting the
8	System.Data.OleDb.OleDbParameter.DbType changes the
9	System.Data.OleDb.OleDbParameter.OleDbType to a supporting
10	System.Data.OleDb.OleDbParameter.OleDbType
11	Direction
12	ToString
13	
14	[C#] public ParameterDirection Direction {get; set;}
15	[C++] public:property ParameterDirection get_Direction();public:property
16	void set_Direction(ParameterDirection);
17	[VB] Public Property Direction As ParameterDirection
18	[JScript] public function get Direction(): ParameterDirection; public function set
19	Direction(ParameterDirection);
20	
21	Description
22	Gets or sets a value indicating whether the parameter is input-only, output-
23	only, bidirectional, or a stored procedure return value parameter.
24	
25	

associated System.Data.OleDb.OleDbCommand does not return a value, the 2 System.Data.OleDb.OleDbParameter contains a null value. 3 IsNullable ToString . 5 6 [C#] public bool IsNullable {get; set;} 7 [C++] public: property bool get IsNullable();public: property void 8 set IsNullable(bool); 9 [VB] Public Property IsNullable As Boolean 10 [JScript] public function get IsNullable(): Boolean; public function set 11 IsNullable(Boolean); 12 13 Description 14 Gets or sets a value indicating whether the parameter accepts null values. 15 Null values are handled using the System.DBNull class. 16 OleDbType 17 **ToString** 18 19 [C#] public OleDbType OleDbType {get; set;} 20 [C++] public: property OleDbType get OleDbType();public: property void 21 set OleDbType(OleDbType); 22 [VB] Public Property OleDbType As OleDbType 23 [JScript] public function get OleDbType(): OleDbType; public function set 24 OleDbType(OleDbType); 25

If the System. Data. Parameter Direction is output, and execution of the

2

3

5

6

7

8

9

18

19

20

21

22

23

24

25

Gets or sets the **System.Data.OleDb.OleDbType** of the parameter.

The System.Data.OleDb.OleDbParameter.OleDbType and System.Data.OleDb.OleDbParameter.DbType are linked. Therefore, setting the System.Data.OleDb.OleDbParameter.DbType changes the System.Data.OleDb.OleDbParameter.OleDbType to a supporting System.Data.OleDb.OleDbType.

ParameterName

ToString

[C#] public string ParameterName {get; set;}

[C++] public: property String* get ParameterName();public: property void set ParameterName(String*);

[VB] Public Property ParameterName As String

[JScript] public function get ParameterName(): String; public function set

ParameterName(String);

Description

Gets or sets the name of the System.Data.OleDb.OleDbParameter.

The OLE DB .NET Provider uses positional parameters that are marked with a question mark (?) instead of named parameters.

Precision

ToString

MS1-864US.APP

1	
2	[C#] public byte Precision {get; set;}
3	[C++] public:property unsigned char get_Precision();public:property void
4	set_Precision(unsigned char);
5	[VB] Public Property Precision As Byte
6	[JScript] public function get Precision(): Byte; public function set Precision(Byte);
7	
8	Description
9	Gets or sets the maximum number of digits used to represent the
10	System.Data.OleDb.OleDbParameter.Value property.
11	The System.Data.OleDb.OleDbParameter.Precision property is only
12	used for decimal and numeric input parameters.
13	Scale
14	ToString
15	
16	[C#] public byte Scale {get; set;}
17	[C++] public:property unsigned char get_Scale();public:property void
18	set_Scale(unsigned char);
19	[VB] Public Property Scale As Byte
20	[JScript] public function get Scale() : Byte;public function set Scale(Byte);
21	
22	Description
23	Gets or sets the number of decimal places to which
24	System.Data.OleDb.OleDbParameter.Value is resolved.
25	

	1	The System.Data.OleDb.OleDbParameter.Scale property is only used for
	2	decimal and numeric input parameters.
	3	Size
	4	ToString
	5	
	6	[C#] public int Size {get; set;}
	7	[C++] public:property int get_Size();public:property void set_Size(int);
	8	[VB] Public Property Size As Integer
	9	[JScript] public function get Size(): int;public function set Size(int);
] 9	10	
	11	Description
	12	Gets or sets the maximum size, in bytes, of the data within the column.
] 	13	The System.Data.OleDb.OleDbParameter.Size property is used for
9	14	binary and string types.
	15	SourceColumn
	16	ToString
	17	
	18	[C#] public string SourceColumn {get; set;}
	19	[C++] public:property String* get_SourceColumn();public:property void
	20	set_SourceColumn(String*);
	21	[VB] Public Property SourceColumn As String
	22	[JScript] public function get SourceColumn(): String; public function set
	23	SourceColumn(String);
	24	
	25	Description

1	[VB] Function Clone() As Object Implements ICloneable.Clone
2	[JScript] function ICloneable.Clone(): Object;
3	ToString
4	·
5	[C#] public override string ToString();
6	[C++] public: String* ToString();
7	[VB] Overrides Public Function ToString() As String
8	[JScript] public override function ToString() : String;
9	
10	Description
11	Gets a string containing the
12	System.Data.OleDb.OleDbParameter.ParameterName .
13	Return Value: A string containing the
14	System.Data.OleDb.OleDbParameter.ParameterName .
15	OleDbParameterCollection class (System.Data.OleDb)
16	ToString
17	
18	
19	Description
20	Collects all parameters relevant to an
21	System.Data.OleDb.OleDbCommand and their respective mappings to
22	System.Data.DataSet columns.
23	The number of parameters in the collection must be equal to the number of
- ,	parameter placeholders within the command text, or the OLF DR NFT Data

Provider may raise an error.

Count **ToString** 2 3 [C#] public int Count {get;} [C++] public: property int get Count(); [VB] Public ReadOnly Property Count As Integer [JScript] public function get Count(): int; 7 8 Description 9 Gets the number of System.Data.OleDb.OleDbParameter objects in the 10 collection. 11 Item 12 **ToString** 13 14 [C#] public OleDbParameter this[int index] {get; set;} 15 [C++] public: property OleDbParameter* get Item(int index);public: 16 property void set Item(int index, OleDbParameter*); 17 [VB] Public Default Property Item(ByVal index As Integer) As OleDbParameter 18 [JScript] returnValue = 19 OleDbParameterCollectionObject.Item(index);OleDbParameterCollectionObject.It 20 em(index) = returnValue; Gets or sets the System.Data.OleDb.OleDbParameter 21 with a specified attribute. 22 23 Description 24 25

1	Gets or sets the System.Data.OleDb.OleDbParameter at the specified
2	index. The zero-based index of the parameter to retrieve.
3	Item
4	ToString
5	
6	[C#] public OleDbParameter this[string parameterName] {get; set;}
7	[C++] public:property OleDbParameter* get_Item(String*
8	parameterName);public:property void set_Item(String* parameterName,
9	OleDbParameter*);
10	[VB] Public Default Property Item(ByVal parameterName As String) As
11	OleDbParameter
12	[JScript] returnValue =
13	OleDbParameterCollectionObject.Item(parameterName);OleDbParameterCollecti
14	onObject.Item(parameterName) = returnValue;
15	
16	Description
17	Gets or sets the System.Data.OleDb.OleDbParameter with the specified
18	name. The name of the parameter to retrieve.
19	Add
20	
21	[C#] public int Add(object value);
22	[C++] public:sealed int Add(Object* value);
23	[VB] NotOverridable Public Function Add(ByVal value As Object) As Integer
24	[JScript] public function Add(value : Object) : int; Adds an
25	System.Data.OleDb.OleDbParameter to the

24

25

Object) As OleDbParameter

System. Data. Ole Db. Ole Db Command.2 Description 3 Adds an System.Data.OleDb.OleDbParameter object to the 4 System.Data.OleDb.OleDbCommand . 5 Return Value: A reference to the new System.Data.OleDb.OleDbParameter 6 object. The System.Data.OleDb.OleDbParameter object to add to the collection. Add 8 9 [C#] public OleDbParameter Add(OleDbParameter value); 10 [C++] public: OleDbParameter* Add(OleDbParameter* value); 11 [VB] Public Function Add(ByVal value As OleDbParameter) As OleDbParameter 12 [JScript] public function Add(value : OleDbParameter) : OleDbParameter; 13 14 Description 15 Adds the specified System.Data.OleDb.OleDbParameter to the 16 System.Data.OleDb.OleDbCommand. 17 Return Value: A reference to the new System.Data.OleDb.OleDbParameter 18 object. The System.Data.OleDb.OleDbParameter to add to the collection. 19 Add 20 21 [C#] public OleDbParameter Add(string parameterName, object value); 22

[C++] public: OleDbParameter* Add(String* parameterName, Object* value);

[VB] Public Function Add(ByVal parameterName As String, ByVal value As

1	[JScript] public function Add(parameterName : String, value : Object) :
2	OleDbParameter;
3	
4	Description
5	Adds an System.Data.OleDb.OleDbParameter to the
6	System.Data.OleDb.OleDbCommand given the parameter name and value.
7	Return Value: A reference to the new System.Data.OleDb.OleDbParameter
8	object.
9	When you specify System.DBNull.Value in the value parameter, you
10	should also explicitly set the System.Data.OleDb.OleDbType as demonstrated in
11	this C# example: OleDbCommand rComm = new OleDbCommand(null, rConn);
12	rComm.CommandText = "insert into mytable values (?)";
13	rComm.Parameters.Add("@p1", DBNull.Value);
14	rComm.Parameters["@p1"].OleDbType = OleDbType.Integer;x The
15	System.Data.OleDb.OleDbParameter.Value of the
16	System.Data.OleDb.OleDbParameter to add to the collection.
17	Add
18	
19	[C#] public OleDbParameter Add(string parameterName, OleDbType
20	oleDbType);
21	[C++] public: OleDbParameter* Add(String* parameterName, OleDbType
22	oleDbType);
23	[VB] Public Function Add(ByVal parameterName As String, ByVal oleDbType
24	As OleDbType) As OleDbParameter
25	[JScript] public function Add(parameterName : String, oleDbType : OleDbType) :

OleDbParameter;

Description

2

3

6

7

8

9

10

11

13

14

15

16

17

18

19

20

21

22

23

24

25

Adds an System.Data.OleDb.OleDbParameter to the

System.Data.OleDb.OleDbCommand given the parameter name and data type.

Return Value: A reference to the new System.Data.OleDb.OleDbParameter object.

Add

[C#] public OleDbParameter Add(string parameterName, OleDbType oleDbType, int size);

[C++] public: OleDbParameter* Add(String* parameterName, OleDbType oleDbType, int size);

[VB] Public Function Add(ByVal parameterName As String, ByVal oleDbType As OleDbType, ByVal size As Integer) As OleDbParameter

[JScript] public function Add(parameterName : String, oleDbType : OleDbType,

size: int): OleDbParameter;

Description

Adds an System.Data.OleDb.OleDbParameter to the

System.Data.OleDb.OleDbCommand given the parameter name, data type, and column width.

Return Value: A reference to the new System.Data.OleDb.OleDbParameter object. The width of the column.

Add

1	
2	[C#] public OleDbParameter Add(string parameterName, OleDbType oleDbType,
3	int size, string sourceColumn);
4	[C++] public: OleDbParameter* Add(String* parameterName, OleDbType
5	oleDbType, int size, String* sourceColumn);
6	[VB] Public Function Add(ByVal parameterName As String, ByVal oleDbType
7	As OleDbType, ByVal size As Integer, ByVal sourceColumn As String) As
8	OleDbParameter
9	[JScript] public function Add(parameterName : String, oleDbType : OleDbType,
10	size: int, sourceColumn: String): OleDbParameter;
11	
12	Description
13	Adds an System.Data.OleDb.OleDbParameter to the
14	System.Data.OleDb.OleDbCommand given the parameter name, data type,
15	column width, and source column name.
16	Return Value: A reference to the new System.Data.OleDb.OleDbParameter
17	object. The width of the column. The name of the source column.
18	Clear
19	
20	[C#] public void Clear();
21	[C++] public:sealed void Clear();
22	[VB] NotOverridable Public Sub Clear()
23	[JScript] public function Clear();
. I	
24	

Removes all items from the collection. Contains 2 3 [C#] public bool Contains(object value); [C++] public: sealed bool Contains(Object* value); 5 [VB] NotOverridable Public Function Contains(ByVal value As Object) As 6 Boolean 7 [JScript] public function Contains(value : Object) : Boolean; 8 9 Description 10 Gets a value indicating whether an System.Data.OleDb.OleDbParameter 11 object exists in the collection. 12 Return Value: true if the collection contains the 13 System.Data.OleDb.OleDbParameter; otherwise, false. The value of the 14 System.Data.OleDb.OleDbParameter object to find. 15 **Contains** 16 17 [C#] public bool Contains(string value); 18 [C++] public: sealed bool Contains(String* value); 19 [VB] NotOverridable Public Function Contains(ByVal value As String) As 20 Boolean 21 [JScript] public function Contains(value : String) : Boolean; Indicates whether an 22 System.Data.OleDb.OleDbParameter exists in the collection. 23 24 Description

Gets a value indicating whether an System.Data.OleDb.OleDbParameter 1 with the specified parameter name exists in the collection. 2 Return Value: true if the collection contains the parameter; otherwise, false. The 3 name of the parameter. 4 CopyTo 5 6 [C#] public void CopyTo(Array array, int index); [C++] public: sealed void CopyTo(Array* array, int index); 8 [VB] NotOverridable Public Sub CopyTo(ByVal array As Array, ByVal index As 9 Integer) 10 [JScript] public function CopyTo(array : Array, index : int); 11 12 Description 13 Copies System.Data.OleDb.OleDbParameter objects from the 14 System.Data.OleDb.OleDbParameterCollection to the specified array. The 15 System.Array into which to copy the System.Data.OleDb.OleDbParameter 16 objects. The starting index of the array. 17 GetEnumerator 18 19 [C#] public IEnumerator GetEnumerator(); 20 [C++] public: sealed IEnumerator* GetEnumerator(); 21 [VB] NotOverridable Public Function GetEnumerator() As IEnumerator 22 [JScript] public function GetEnumerator(): IEnumerator; 23 24 Description 25

T	1		\sim	1
ın	ae	Y		п
111	\mathbf{u}	Λ	v	ı

1

3

4

5

7

8

10

12

11

13

14

16

15

17

18 19

20

21 22

23

24

[C#] public int IndexOf(object value);

[C++] public: __sealed int IndexOf(Object* value);

[VB] NotOverridable Public Function IndexOf(ByVal value As Object) As Integer

[JScript] public function IndexOf(value : Object) : int;

Description

Gets the location of the **System.Data.OleDb.OleDbParameter** object in the collection.

Return Value: The location of the System.Data.OleDb.OleDbParameter in the collection. The System.Data.OleDb.OleDbParameter object to locate.

IndexOf

[C#] public int IndexOf(string parameterName);

[C++] public: __sealed int IndexOf(String* parameterName);

[VB] NotOverridable Public Function IndexOf(ByVal parameterName As String)

As Integer

[JScript] public function IndexOf(parameterName : String) : int; Gets the location of the System.Data.OleDb.OleDbParameter in the collection.

Description

Gets the location of the **System.Data.OleDb.OleDbParameter** in the collection with the specified parameter name.

Return Value: The location of the System.Data.OleDb.OleDbParameter in the collection. 2 Insert 3 [C#] public void Insert(int index, object value); 5 [C++] public: sealed void Insert(int index, Object* value); 6 [VB] NotOverridable Public Sub Insert(ByVal index As Integer, ByVal value As 7 Object) 8 [JScript] public function Insert(index : int, value : Object); 9 10 Description 11 Inserts an System.Data.OleDb.OleDbParameter in the collection at the 12 specified index. The zero-based index where the parameter is to be inserted within 13 the collection. The System.Data.OleDb.OleDbParameter to add to the 14 collection. 15 Remove 16 17 [C#] public void Remove(object value); 18 [C++] public: sealed void Remove(Object* value); 19 [VB] NotOverridable Public Sub Remove(ByVal value As Object) 20 [JScript] public function Remove(value : Object); 21 22 Description 23 24 25

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Removes the specified System.Data.OleDb.OleDbParameter from the collection. The System.Data.OleDb.OleDbParameter object to remove from the collection.

RemoveAt

[C#] public void RemoveAt(int index);

[C++] public: sealed void RemoveAt(int index);

[VB] NotOverridable Public Sub RemoveAt(ByVal index As Integer)

[JScript] public function RemoveAt(index: int); Removes the specified

System.Data.OleDb.OleDbParameter from the collection.

Description

Removes the **System.Data.OleDb.OleDbParameter** at the specified index from the collection. The zero-based index of the parameter to remove.

RemoveAt

[C#] public void RemoveAt(string parameterName);

[C++] public: __sealed void RemoveAt(String* parameterName);

[VB] NotOverridable Public Sub RemoveAt(ByVal parameterName As String)

[JScript] public function RemoveAt(parameterName : String);

Description

Removes the **System.Data.OleDb.OleDbParameter** with the specified name from the collection.

712

OleDbPermission class (System.Data.OleDb)

509-324-9256

1	ToString
2	
3	
4	Description
5	Provides the capability for the OLE DB .NET Data Provider to ensure that
6	a user has a security level adequate to access an OLE DB data source.
7	OleDbPermission
8	Example Syntax:
9	ToString
10	
11	[C#] public OleDbPermission();
12	[C++] public: OleDbPermission();
13	[VB] Public Sub New()
14	[JScript] public function OleDbPermission(); Initializes a new instance of the
15	System.Data.OleDb.OleDbPermission class.
16	
17	Description
18	Initializes a new instance of the System.Data.OleDb.OleDbPermission
19	class.
. 20	OleDbPermission
21	Example Syntax:
22	ToString
23	
24	[C#] public OleDbPermission(PermissionState state);
25	[C++] public: OleDbPermission(PermissionState state);

1	[VB] Public Sub New(ByVal state As PermissionState)
2	[JScript] public function OleDbPermission(state : PermissionState);
3	
4	Description
5	One of the System.Security.Permissions.PermissionState values.
6	OleDbPermission
7	Example Syntax:
8	ToString
9	
10	[C#] public OleDbPermission(PermissionState state, bool allowBlankPassword);
11	[C++] public: OleDbPermission(PermissionState state, bool
12	allowBlankPassword);
13	[VB] Public Sub New(ByVal state As PermissionState, ByVal
14	allowBlankPassword As Boolean)
15	[JScript] public function OleDbPermission(state : PermissionState,
16	allowBlankPassword : Boolean);
17	
18	Description
19	One of the System.Security.Permissions.PermissionState values.
20	Indicates whether a blank password is allowed.
21	AllowBlankPassword
22	Provider
23	ToString
24	
25	

1	
2	
3	Description
4	Gets or sets a comma-delimited list of providers allowed by the security
5	policy.
6	Сору
7	
8	[C#] public override IPermission Copy();
9	[C++] public: IPermission* Copy();
10	[VB] Overrides Public Function Copy() As IPermission
11	[JScript] public override function Copy(): IPermission;
12	
13	Description
14	
15	FromXml
16	
17	[C#] public override void FromXml(SecurityElement securityElement);
18	[C++] public: void FromXml(SecurityElement* securityElement);
19	[VB] Overrides Public Sub FromXml(ByVal securityElement As
20	SecurityElement)
21	[JScript] public override function FromXml(securityElement : SecurityElement);
22	
23	Description
24	Intersect
25	

1	
2	[C#] public override IPermission Intersect(IPermission target);
3	[C++] public: IPermission* Intersect(IPermission* target);
4	[VB] Overrides Public Function Intersect(ByVal target As IPermission) As
5	IPermission
6	[JScript] public override function Intersect(target : IPermission) : IPermission;
7	
8	Description
9	IsSubsetOf
10	
11	[C#] public override bool IsSubsetOf(IPermission target);
12	[C++] public: bool IsSubsetOf(IPermission* target);
13	[VB] Overrides Public Function IsSubsetOf(ByVal target As IPermission) As
14	Boolean
15	[JScript] public override function IsSubsetOf(target: IPermission): Boolean;
16	
17	Description
18	ToXml
19	·
20	[C#] public override SecurityElement ToXml();
21	[C++] public: SecurityElement* ToXml();
22	[VB] Overrides Public Function ToXml() As SecurityElement
23	[JScript] public override function ToXml() : SecurityElement;
24	
25	Description

Union 2 3 [C#] public override IPermission Union(IPermission target); [C++] public: IPermission* Union(IPermission* target); 5 [VB] Overrides Public Function Union(ByVal target As IPermission) As 6 **IPermission** 7 [JScript] public override function Union(target : IPermission) : IPermission; 8 9 Description 10 11 OleDbPermissionAttribute class (System.Data.OleDb) 12 Union 13 14 15 Description 16 Associates a security action with a custom security attribute. 17 OleDbPermissionAttribute 18 Example Syntax: 19 Union 20 21 [C#] public OleDbPermissionAttribute(SecurityAction action); 22 [C++] public: OleDbPermissionAttribute(SecurityAction action); 23 [VB] Public Sub New(ByVal action As SecurityAction) 24 [JScript] public function OleDbPermissionAttribute(action : SecurityAction);

Description

2

3

5

6

7

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Initializes a new instance of the

System.Data.OleDb.OleDbPermissionAttribute class.

Return Value: An System.Data.OleDb.OleDbPermissionAttribute object. One of the the System.Security.Permissions.SecurityAction values representing an action that can be performed using declarative security.

Action

AllowBlankPassword

Provider

Union

Description

Gets or sets a comma-delimited string containing a list of supported providers.

TypeId

Unrestricted

CreatePermission

[C#] public override IPermission CreatePermission();

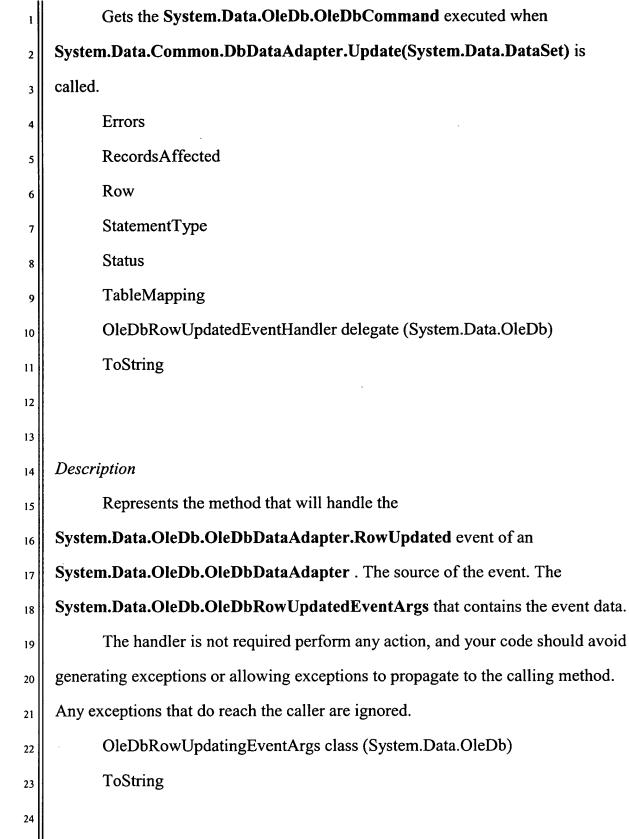
[C++] public: IPermission* CreatePermission();

[VB] Overrides Public Function CreatePermission() As IPermission

[JScript] public override function CreatePermission(): IPermission;

1	
2	Description
3	Returns an System.Data.OleDb.OleDbPermission object that is
4	configured according to the attribute properties.
5	Return Value: An System.Data.OleDb.OleDbPermission object.
6	OleDbRowUpdatedEventArgs class (System.Data.OleDb)
7	ToString
8	
9	
10	Description
11	Provides data for the
12	System.Data.OleDb.OleDbDataAdapter.RowUpdated event.
13	The System.Data.OleDb.OleDbDataAdapter.RowUpdated event is
14	raised when an
15	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) to a
16	row is completed.
17	OleDbRowUpdatedEventArgs
18	Example Syntax:
19	ToString
20	
21	[C#] public OleDbRowUpdatedEventArgs(DataRow dataRow, IDbCommand
22	command, StatementType statementType, DataTableMapping tableMapping);
23	[C++] public: OleDbRowUpdatedEventArgs(DataRow* dataRow, IDbCommand*
24	command, StatementType statementType, DataTableMapping* tableMapping);
25	[VB] Public Sub New(ByVal dataRow As DataRow, ByVal command As

1	IDbCommand, ByVal statementType As StatementType, ByVal tableMapping As
2	DataTableMapping)
3	[JScript] public function OleDbRowUpdatedEventArgs(dataRow: DataRow,
4	command: IDbCommand, statementType: StatementType, tableMapping:
5	DataTableMapping);
6	
7	Description
8	Initializes a new instance of the
9	System.Data.OleDb.OleDbRowUpdatedEventArgs class. The
10	System.Data.DataRow sent through an
11	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet). The
12	System.Data.IDbCommand executed when
13	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) is
14	called. One of the System.Data.StatementType values that specifies the type of
15	query executed. The System.Data.Common.DataTableMapping sent through an
16	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet).
17	Command
18	ToString
19	
20	[C#] public new OleDbCommand Command {get;}
21	[C++] public:property OleDbCommand* get_Command();
22	[VB] Public ReadOnly Property Command As OleDbCommand
23	[JScript] public function get Command() : OleDbCommand;
24	
25	Description



14

15

16

17

18

19

20

21

22

23

24

25

2

3

Description

Provides data for the

System.Data.OleDb.OleDbDataAdapter.RowUpdating event.

The System.Data.OleDb.OleDbDataAdapter.RowUpdating event is raised before an

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) to a row.

OleDbRowUpdatingEventArgs

Example Syntax:

ToString

[C#] public OleDbRowUpdatingEventArgs(DataRow dataRow, IDbCommand command, StatementType statementType, DataTableMapping tableMapping);
[C++] public: OleDbRowUpdatingEventArgs(DataRow* dataRow,
IDbCommand* command, StatementType statementType, DataTableMapping*
tableMapping);
[VB] Public Sub New(ByVal dataRow As DataRow, ByVal command As
IDbCommand, ByVal statementType As StatementType, ByVal tableMapping As
DataTableMapping)

[JScript] public function OleDbRowUpdatingEventArgs(dataRow: DataRow,
command: IDbCommand, statementType: StatementType, tableMapping:
DataTableMapping);

1	
2	Description
3	Initializes a new instance of the
4	System.Data.OleDb.OleDbRowUpdatingEventArgs class. The
5	System.Data.DataRow to
6	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) . The
7	System.Data.IDbCommand to execute during
8	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) . One of
9	the System.Data.StatementType values that specifies the type of query executed.
10	The System.Data.Common.DataTableMapping sent through an
11	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet).
12	Command
13	ToString
14	·
15	[C#] public new OleDbCommand Command {get; set;}
16	[C++] public:property OleDbCommand* get_Command();public:property
17	void set_Command(OleDbCommand*);
18	[VB] Public Property Command As OleDbCommand
19	[JScript] public function get Command(): OleDbCommand;public function set
20	Command(OleDbCommand);
21	
22	Description
23	Gets or sets the System.Data.OleDb.OleDbCommand to execute when
24	performing the
25	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) .

Errors Row StatementType Status **TableMapping** 5 OleDbRowUpdatingEventHandler delegate (System.Data.OleDb) 6 **ToString** 7 8 9 Description 10 Represents the method that will handle the 11 System.Data.OleDb.OleDbDataAdapter.RowUpdating event of an 12 System.Data.OleDb.OleDbDataAdapter. The source of the event. The 13 System.Data.OleDb.OleDbRowUpdatingEventArgs that contains the event 14 data. 15 The handler is not required perform any action, and your code should avoid 16 generating exceptions or allowing exceptions to propagate to the calling method. 17 Any exceptions that do reach the caller are ignored. 18 OleDbSchemaGuid class (System.Data.OleDb) 19 **ToString** 20 21 22 Description 23 24

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

. 24

Returns the type of schema table specified by the
System.Data.OleDb.OleDbConnection.GetOleDbSchemaTable(System.Guid,
System.Object[]) method.

Each field in the **System.Data.OleDb.OleDbSchemaGuid** class maps to an OLE DB schema rowset. For more information, see Appendix B: Schema rowsets in the OLE DB Programmer's Reference.

ToString

[C#] public static readonly Guid Assertions;

[C++] public: static Guid Assertions;

[VB] Public Shared ReadOnly Assertions As Guid

[JScript] public static var Assertions : Guid;

Description

Returns the assertions defined in the catalog that are owned by a given user.

System.Data.OleDb.OleDbSchemaGuid.Assertions maps to the OLE DB ASSERTIONS rowset. Unless otherwise specified, restriction columns are returned in the following order.

ToString

[C#] public static readonly Guid Catalogs;

[C++] public: static Guid Catalogs;

[VB] Public Shared ReadOnly Catalogs As Guid

[JScript] public static var Catalogs : Guid;

Descript	101
D	eti

3

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Returns the physical attributes associated with catalogs accessible from the data source. Returns the assertions defined in the catalog that are owned by a given user.

System.Data.OleDb.OleDbSchemaGuid.Catalogs maps to the OLE DB CATALOGS rowset. Unless otherwise specified, restriction columns are returned in the following order.

ToString

[C#] public static readonly Guid Character_Sets;

[C++] public: static Guid Character_Sets;

[VB] Public Shared ReadOnly Character_Sets As Guid

[JScript] public static var Character_Sets : Guid;

Description

Returns the character sets defined in the catalog that are accessible to a given user.

System.Data.OleDb.OleDbSchemaGuid.Character_Sets maps to the OLE DB CHARACTER_SETS rowset. Unless otherwise specified, restriction columns are returned in the following order.

ToString

[C#] public static readonly Guid Check_Constraints;

[C++] public: static Guid Check_Constraints;

[VB] Public Shared ReadOnly Check Constraints As Guid [JScript] public static var Check Constraints : Guid; 2 3 Description Returns the check constraints defined in the catalog that are owned by a 5 given user. System.Data.OleDb.OleDbSchemaGuid.Check Constraints maps to the 7 OLE DB CHECK CONSTRAINTS rowset. Unless otherwise specified, 8 restriction columns are returned in the following order. 9 **ToString** 10 11 [C#] public static readonly Guid Check Constraints By Table; 12 [C++] public: static Guid Check Constraints By Table; 13 [VB] Public Shared ReadOnly Check Constraints By Table As Guid 14 [JScript] public static var Check Constraints By Table : Guid; 15 16 Description 17 Returns the check constraints defined in the catalog that are owned by a 18 given user. 19 System.Data.OleDb.OleDbSchemaGuid.Check Constraints maps to the 20 OLE DB CHECK CONSTRAINTS rowset. Unless otherwise specified, 21 restriction columns are returned in the following order. 22 **ToString** 23 24 [C#] public static readonly Guid Collations; 25

[C++] public: static Guid Collations; [VB] Public Shared ReadOnly Collations As Guid 2 [JScript] public static var Collations : Guid; 3 Description 5 Returns the character collations defined in the catalog that are accessible to a given user. 7 System.Data.OleDb.OleDbSchemaGuid.Collations maps to the OLE DB 8 COLLATIONS rowset. Unless otherwise specified, restriction columns are 9 returned in the following order. 10 **ToString** 11 12 [C#] public static readonly Guid Column Domain Usage; 13 [C++] public: static Guid Column Domain Usage; 14 [VB] Public Shared ReadOnly Column Domain Usage As Guid 15 [JScript] public static var Column Domain Usage: Guid; 16 17 Description 18 Returns the columns defined in the catalog that are dependent on a domain 19 defined in the catalog and owned by a given user. 20 System.Data.OleDb.OleDbSchemaGuid.Column Domain Usage maps 21 to the OLE DB COLUMN DOMAIN USAGE rowset. Unless otherwise 22 specified, restriction columns are returned in the following order. 23

25

24

ToString

l [C#] public static readonly Guid Column Privileges; 2 [C++] public: static Guid Column Privileges; 3 [VB] Public Shared ReadOnly Column Privileges As Guid [JScript] public static var Column Privileges : Guid; 5 6 Description 7 Returns the privileges on columns of tables defined in the catalog that are 8 available to, or granted by, a given user. 9 System.Data.OleDb.OleDbSchemaGuid.Column_Privileges maps to the 10 OLE DB COLUMN PRIVELEGES rowset. Unless otherwise specified, 11 restriction columns are returned in the following order. 12 **ToString** 13 14 [C#] public static readonly Guid Columns; 15 [C++] public: static Guid Columns; 16 [VB] Public Shared ReadOnly Columns As Guid 17 [JScript] public static var Columns : Guid; 18 19 Description 20 Returns the columns of tables (including views) defined in the catalog that 21 are accessible to a given user. 22 System.Data.OleDb.OleDbSchemaGuid.Columns maps to the OLE DB 23 COLUMNS rowset. Unless otherwise specified, restriction columns are returned 24 in the following order. 25

~	\sim	
$\Gamma \Lambda$	∨ tı	ang
10	'Du	11112

[C#] public static readonly Guid Constraint_Column_Usage;

[C++] public: static Guid Constraint_Column_Usage;

[VB] Public Shared ReadOnly Constraint_Column_Usage As Guid

[JScript] public static var Constraint_Column_Usage : Guid;

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Returns the columns used by referential constraints, unique constraints, check constraints, and assertions, defined in the catalog and owned by a given user.

System.Data.OleDb.OleDbSchemaGuid.Constraint_Column_Usage maps to the OLE DB CONSRAINT_COLUMN_USAGE rowset. Unless otherwise specified, restriction columns are returned in the following order.

ToString

[C#] public static readonly Guid Constraint_Table_Usage;

[C++] public: static Guid Constraint_Table_Usage;

[VB] Public Shared ReadOnly Constraint_Table_Usage As Guid

[JScript] public static var Constraint_Table_Usage : Guid;

Description

Returns the tables that are used by referential constraints, unique constraints, check constraints, and assertions defined in the catalog and owned by a given user.

1	System.Data.OleDb.OleDbSchemaGuid.Constraint_Table_Usage maps
2	to the OLE DB CONSRAINT_TABLE_USAGE rowset. Unless otherwise
3	specified, restriction columns are returned in the following order.
4	ToString
5	
6	[C#] public static readonly Guid DbInfoLiterals;
7	[C++] public: static Guid DbInfoLiterals;
8	[VB] Public Shared ReadOnly DbInfoLiterals As Guid
9	[JScript] public static var DbInfoLiterals : Guid;
10	
11	Description
12	Returns a list of provider-specific literals used in text commands.
13	Using System.Data.OleDb.OleDbSchemaGuid.DbInfoLiterals is
14	equivalent to calling the OLE DB IDBInfo::GetLiteralInfo interface, or the ADO
15	Connection.OpenSchema method with the adSchemaDBInfoLiterals constant.
16	ToString
17	
18	[C#] public static readonly Guid Foreign_Keys;
19	[C++] public: static Guid Foreign_Keys;
20	[VB] Public Shared ReadOnly Foreign_Keys As Guid
21	[JScript] public static var Foreign_Keys : Guid;
22	
23	Description
24	Returns the foreign key columns defined in the catalog by a given user.
25	

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.OleDb.OleDbSchemaGuid.Foreign_Keys maps to the OLE

DB FOREIGN_KEYS rowset. Unless otherwise specified, restriction columns are
returned in the following order.

ToString

[C#] public static readonly Guid Indexes;

[C++] public: static Guid Indexes;

[VB] Public Shared ReadOnly Indexes As Guid

[JScript] public static var Indexes: Guid;

Description

Returns the indexes defined in the catalog that are owned by a given user.

System.Data.OleDb.OleDbSchemaGuid.Indexes maps to the OLE DB

INDEXES rowset. Unless otherwise specified, restriction columns are returned in the following order.

ToString

[C#] public static readonly Guid Key_Column_Usage;

[C++] public: static Guid Key_Column_Usage;

 $[VB]\ Public\ Shared\ ReadOnly\ Key_Column_Usage\ As\ Guid$

[JScript] public static var Key_Column_Usage : Guid;

Description

Returns the columns defined in the catalog that are constrained as keys by a given user.

System.Data.OleDb.OleDbSchemaGuid.Key Column Usage maps to 1 the OLE DB KEY COLUMN rowset. Unless otherwise specified, restriction 2 columns are returned in the following order. 3 **ToString** 5 [C#] public static readonly Guid Primary Keys; 6 [C++] public: static Guid Primary Keys; 7 [VB] Public Shared ReadOnly Primary Keys As Guid 8 [JScript] public static var Primary Keys: Guid; 9 10 Description 11 Returns the primary key columns defined in the catalog by a given user. 12 System.Data.OleDb.OleDbSchemaGuid.Primary Keys maps to the OLE 13 DB PRIMARY KEYS rowset. Unless otherwise specified, restriction columns are 14 returned in the following order. 15 **ToString** 16 17 [C#] public static readonly Guid Procedure Columns; 18 [C++] public: static Guid Procedure Columns; 19 [VB] Public Shared ReadOnly Procedure Columns As Guid 20 [JScript] public static var Procedure Columns : Guid; 21 22 Description 23 Returns information about the columns of rowsets returned by procedures. 24

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.OleDb.OleDbSchemaGuid.Procedure Columns maps to the OLE DB PROCEDURE COLUMNS rowset. Unless otherwise specified, restriction columns are returned in the following order. **ToString** [C#] public static readonly Guid Procedure Parameters; [C++] public: static Guid Procedure Parameters; [VB] Public Shared ReadOnly Procedure Parameters As Guid [JScript] public static var Procedure Parameters : Guid; Description Returns information about the parameters and return codes of procedures. System.Data.OleDb.OleDbSchemaGuid.Procedure Parameters maps to the OLE DB PROCEDURE PARAMETERS rowset. Unless otherwise specified, restriction columns are returned in the following order. **ToString** [C#] public static readonly Guid Procedures; [C++] public: static Guid Procedures; [VB] Public Shared ReadOnly Procedures As Guid [JScript] public static var Procedures : Guid; Description

Returns the procedures defined in the catalog that are owned by a given

user.

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

24

25

System.Data.OleDb.OleDbSchemaGuid.Procedures maps to the OLE DB PROCEDURES rowset. Unless otherwise specified, restriction columns are returned in the following order. **ToString** [C#] public static readonly Guid Provider Types; [C++] public: static Guid Provider Types; [VB] Public Shared ReadOnly Provider Types As Guid [JScript] public static var Provider Types: Guid; Description Returns the base data types supported by the .NET data provider. System.Data.OleDb.OleDbSchemaGuid.Provider Types maps to the OLE DB PROVIDER TYPES rowset. Unless otherwise specified, restriction columns are returned in the following order. **ToString** [C#] public static readonly Guid Referential Constraints; [C++] public: static Guid Referential Constraints; [VB] Public Shared ReadOnly Referential Constraints As Guid [JScript] public static var Referential Constraints : Guid;

23 Description

Returns the referential constraints defined in the catalog that are owned by a given user.

3

4

5

6

7

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.OleDb.OleDbSchemaGuid.Referential Constraints maps 1 to the OLE DB REFERENTIAL CONSTRAINTS rowset. Unless otherwise specified, restriction columns are returned in the following order. **ToString** [C#] public static readonly Guid Schemata; [C++] public: static Guid Schemata; [VB] Public Shared ReadOnly Schemata As Guid 8 [JScript] public static var Schemata: Guid; Description Returns the schema objects that are owned by a given user. System.Data.OleDb.OleDbSchemaGuid.Schemata maps to the OLE DB SCHEMATAS rowset. Unless otherwise specified, restriction columns are returned in the following order. **ToString** [C#] public static readonly Guid Sql Languages; [C++] public: static Guid Sql Languages; [VB] Public Shared ReadOnly Sql Languages As Guid [JScript] public static var Sql Languages : Guid; Description

Returns the conformance levels, options, and dialects supported by the SQL-implementation processing data defined in the catalog.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.OleDb.OleDbSchemaGuid.Sql Languages maps to the 1 OLE DB SQL LANGUAGES rowset. Unless otherwise specified, restriction columns are returned in the following order. **ToString** [C#] public static readonly Guid Statistics; [C++] public: static Guid Statistics; [VB] Public Shared ReadOnly Statistics As Guid [JScript] public static var Statistics : Guid; Description Returns the statistics defined in the catalog that are owned by a given user. System.Data.OleDb.OleDbSchemaGuid.Statistics maps to the OLE DB STATISTICS rowset. Unless otherwise specified, restriction columns are returned in the following order. **ToString** [C#] public static readonly Guid Table Constraints; [C++] public: static Guid Table Constraints; [VB] Public Shared ReadOnly Table Constraints As Guid [JScript] public static var Table Constraints : Guid; Description

Returns the table constraints defined in the catalog that are owned by a

given user.

System.Data.OleDb.OleDbSchemaGuid.Table Constraints maps to the 1 OLE DB TABLE CONSTRAINTS rowset. Unless otherwise specified, restriction 2 columns are returned in the following order. 3 **ToString** 4 5 [C#] public static readonly Guid Table Privileges; 6 [C++] public: static Guid Table Privileges; 7 [VB] Public Shared ReadOnly Table_Privileges As Guid 8 [JScript] public static var Table Privileges : Guid; 9 10 Description 11 Returns the privileges on tables defined in the catalog that are available to, 12 or granted by, a given user. 13 System.Data.OleDb.OleDbSchemaGuid.Table Privileges maps to the 14 OLE DB TABLE PRIVILEGES rowset. Unless otherwise specified, restriction 15 columns are returned in the following order. 16 **ToString** 17 18 [C#] public static readonly Guid Table Statistics; 19 [C++] public: static Guid Table? Statistics; 20 [VB] Public Shared ReadOnly Table Statistics As Guid 21 [JScript] public static var Table Statistics : Guid; 22 23 Description 24

Describes the available set of statistics on tables in the provider.

l

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.OleDb.OleDbSchemaGuid.Table Statistics maps to the OLE DB TABLE STATISTICS rowset. Unless otherwise specified, restriction columns are returned in the following order. **ToString** [C#] public static readonly Guid Tables; [C++] public: static Guid Tables; [VB] Public Shared ReadOnly Tables As Guid [JScript] public static var Tables : Guid; Description Returns the tables (including views) defined in the catalog that are accessible to a given user. System.Data.OleDb.OleDbSchemaGuid.Tables maps to the OLE DB TABLES rowset. Unless otherwise specified, restriction columns are returned in the following order. **ToString** [C#] public static readonly Guid Tables Info; [C++] public: static Guid Tables Info; [VB] Public Shared ReadOnly Tables_Info As Guid [JScript] public static var Tables Info : Guid;

Returns the tables (including views) that are accessible to a given user.

Description

System.Data.OleDb.OleDbSchemaGuid.Tables_Info maps to the OLE

DB TABLES_INFO rowset. Unless otherwise specified, restriction columns are
returned in the following order.

ToString

[C#] public static readonly Guid Translations;

[C++] public: static Guid Translations;

[VB] Public Shared ReadOnly Translations As Guid

[JScript] public static var Translations : Guid;

Description

Returns the character translations defined in the catalog that are accessible to a given user.

System.Data.OleDb.OleDbSchemaGuid.Translations maps to the OLE DB TRANSLATIONS rowset. Unless otherwise specified, restriction columns are returned in the following order.

ToString

[C#] public static readonly Guid Trustee;

[C++] public: static Guid Trustee;

[VB] Public Shared ReadOnly Trustee As Guid

[JScript] public static var Trustee : Guid;

Description

Identifies the trustees defined in the data source.

System.Data.OleDb.OleDbSchemaGuid.Trustee maps to the OLE DB TRUSTEES schema. Unless otherwise specified, restriction columns are returned in the following order.

[C#] public static readonly Guid Usage Privileges;

[C++] public: static Guid Usage Privileges;

[VB] Public Shared ReadOnly Usage Privileges As Guid

[JScript] public static var Usage Privileges : Guid;

Returns the USAGE privileges on objects defined in the catalog that are available to, or granted by, a given user.

System.Data.OleDb.OleDbSchemaGuid.Usage Privileges maps to the OLE DB USAGE PRIVILEGES rowset. Unless otherwise specified, restriction columns are returned in the following order.

[C#] public static readonly Guid View Column Usage;

[C++] public: static Guid View Column Usage;

[VB] Public Shared ReadOnly View Column Usage As Guid

[JScript] public static var View Column Usage : Guid;

Description

25

22

23

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Returns the columns on which viewed tables, defined in the catalog and owned by a given user, are dependent.

System.Data.OleDb.OleDbSchemaGuid.View_Column_Usage maps to the OLE DB VIEW_COLUMN_USAGE rowset. Unless otherwise specified, restriction columns are returned in the following order.

ToString

[C#] public static readonly Guid View Table Usage;

[C++] public: static Guid View Table Usage;

[VB] Public Shared ReadOnly View Table Usage As Guid

[JScript] public static var View_Table_Usage : Guid;

Description

Returns the tables on which viewed tables, defined in the catalog and owned by a given user, are dependent.

System.Data.OleDb.OleDbSchemaGuid.View_Table_Usage maps to the OLE DB VIEW_TABLE_USAGE rowset. Unless otherwise specified, restriction columns are returned in the following order.

ToString

[C#] public static readonly Guid Views;

[C++] public: static Guid Views;

[VB] Public Shared ReadOnly Views As Guid

[JScript] public static var Views : Guid;

Description
Return

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Returns the views defined in the catalog that are accessible to a given user.

System.Data.OleDb.OleDbSchemaGuid.Views maps to the OLE DB VIEWS rowset. Unless otherwise specified, restriction columns are returned in the following order.

OleDbSchemaGuid

Example Syntax:

ToString

[C#] public OleDbSchemaGuid();

[C++] public: OleDbSchemaGuid();

[VB] Public Sub New()

[JScript] public function OleDbSchemaGuid();

OleDbTransaction class (System.Data.OleDb)

ToString

Description

Represents an SQL transaction to be made at a data source.

The application creates an System.Data.OleDb.OleDbTransaction object by calling System.Data.SqlClient.SqlConnection.BeginTransaction on the System.Data.OleDb.OleDbConnection object. All subsequent operations associated with the transaction (for example, committing or aborting the

1	transaction), are performed on the System.Data.OleDb.OleDbTransaction
2	object.
3	Connection
4	ToString
5	
6	[C#] public OleDbConnection Connection {get;}
7	[C++] public:property OleDbConnection* get_Connection();
8	[VB] Public ReadOnly Property Connection As OleDbConnection
9	[JScript] public function get Connection(): OleDbConnection;
10	IsolationLevel
11	ToString
12	,
13	[C#] public IsolationLevel IsolationLevel {get;}
14	[C++] public:property IsolationLevel get_IsolationLevel();
15	[VB] Public ReadOnly Property IsolationLevel As IsolationLevel
16	[JScript] public function get IsolationLevel(): IsolationLevel;
17	
18	Description
19	Specifies the System.Data.IsolationLevel for this transaction.
20	Parallel transactions are not supported. Therefore, the
21	System.Data.IsolationLevel applies to the entire transaction.
22	Begin
23	
24	[C#] public OleDbTransaction Begin();
25	[C++] public: OleDbTransaction* Begin();

1	[VB] Public Function Begin() As OleDb1ransaction
2	[JScript] public function Begin() : OleDbTransaction;
3	
4	Description
5	Initiates a nested database transaction.
6	The new transaction is nested within the current transaction.
7	Begin
8	
9	[C#] public OleDbTransaction Begin(IsolationLevel isolevel);
10	[C++] public: OleDbTransaction* Begin(IsolationLevel isolevel);
11	[VB] Public Function Begin(ByVal isolevel As IsolationLevel) As
12	OleDbTransaction
13	[JScript] public function Begin(isolevel : IsolationLevel) : OleDbTransaction;
14	Initiates a nested database transaction.
15	
16	Description
17	Initiates a nested database transaction and specifies the isolation level to
18	use for the new transaction.
19	The new transaction is nested within the current transaction. The isolation
20	level to use for the transaction.
21	Commit
22	
23	[C#] public void Commit();
24	[C++] public:sealed void Commit();
25	[VB] NotOverridable Public Sub Commit()

	1	[JScript] public function Commit();
	2	
	3	Description
	4	Commits the database transaction.
	5	Finalize
	6	
	7	[C#] ~OleDbTransaction();
	8	[C++] ~OleDbTransaction();
ŀ	9	[VB] Overrides Protected Sub Finalize()
	10	[JScript] protected override function Finalize();
	11	
	12	Description
	13	Frees resources before the System.Data.OleDb.OleDbTransaction is
	14	reclaimed by the Garbage Collector.
	15	Rollback
	16	
	17	[C#] public void Rollback();
	18	[C++] public:sealed void Rollback();
	19	[VB] NotOverridable Public Sub Rollback()
	20	[JScript] public function Rollback();
	21	
	22	Description
	23	Rolls back a transaction from a pending state.
	24	The transaction can only be rolled back from a pending state (after
	25	System. Data. Ole Db. Ole DbC onnection. Begin Transaction (System. Data. Isolation) and the property of the

1	onLevel) has been called, but before
2	System.Data.OleDb.OleDbTransaction.Commit is called).
3	IDisposable.Dispose
4	
5	[C#] void IDisposable.Dispose();
6	[C++] void IDisposable::Dispose();
7	[VB] Sub Dispose() Implements IDisposable.Dispose
8	[JScript] function IDisposable.Dispose();
9	OleDbType enumeration (System.Data.OleDb)
10	ToString
11	
12	
13	Description
14	Gets the data type of a field, a property, or an
15	System.Data.OleDb.OleDbParameter. The corresponding OLE DB data type is
16	shown in parentheses in the description of each member.
17	ToString
18	
19	[C#] public const OleDbType BigInt;
20	[C++] public: const OleDbType BigInt;
21	[VB] Public Const BigInt As OleDbType
22	[JScript] public var BigInt : OleDbType;
23	
24	Description
25	A 64-bit signed integer (DBTYPE_I8). This maps to System.Int64.

1	ToString
2	
3	[C#] public const OleDbType Binary;
4	[C++] public: const OleDbType Binary;
5	[VB] Public Const Binary As OleDbType
6	[JScript] public var Binary : OleDbType;
7	
8	Description
9	A stream of binary data (DBTYPE_BYTES). This maps to an
10	System.Array of type System.Byte.
11	ToString
12	
13	[C#] public const OleDbType Boolean;
14	[C++] public: const OleDbType Boolean;
15	[VB] Public Const Boolean As OleDbType
16	[JScript] public var Boolean : OleDbType;
17	
18	Description
19	A boolean value (DBTYPE_BOOL). This maps to System.Boolean
20	ToString
21	
22	[C#] public const OleDbType BSTR;
23	[C++] public: const OleDbType BSTR;
24	[VB] Public Const BSTR As OleDbType
25	[JScript] public var BSTR : OleDbType;

	1	!
	1	
	2	D
	3	
	4	(I
	5	
	4 5 6 7	
	7	[(
	8	[(
7	9	יו
4	10	[]
	11	
	12	D
	13	
Harri Harri	14	
gr tauk dadi da dan Umk	15	
	15 16	[(
	17	[(
	18	[/
	19	[]
	20	
	18 19 20 21	D

\mathbf{r}				. •	
IJ	es	cr	un	tio	n

A null-terminated character string of Unicode characters OBTYPE BSTR). This maps to System.String.

ToString

C#] public const OleDbType Char;

C++] public: const OleDbType Char;

VB] Public Const Char As OleDbType

[Script] public var Char : OleDbType;

escription

A character string (DBTYPE STR). This maps to System.String. **ToString**

C#] public const OleDbType Currency;

C++] public: const OleDbType Currency;

VB] Public Const Currency As OleDbType

Script] public var Currency: OleDbType;

escription

22

23

24

25

A currency value ranging from -2 (or -922,337,203,685,477.5808) to 2 -1 (or +922,337,203,685,477.5807) with an accuracy to a ten-thousandth of a currency unit (DBTYPE CY). This maps to System.Decimal.

ToString

1 [C#] public const OleDbType Date; 2 [C++] public: const OleDbType Date; 3 [VB] Public Const Date As OleDbType [JScript] public var Date : OleDbType; 5 6 Description 7 Date data, stored as a double (DBTYPE DATE). The whole portion is the 8 number of days since December 30, 1899, while the fractional portion is a fraction 9 of a day. This maps to System.DateTime. 10 **ToString** 11 12 [C#] public const OleDbType DBDate; 13 [C++] public: const OleDbType DBDate; 14 [VB] Public Const DBDate As OleDbType 15 [JScript] public var DBDate : OleDbType; 16 17 Description 18 Date data in the format yyyymmdd (DBTYPE_DBDATE). This maps to 19 System.DateTime. 20 **ToString** 21 22 [C#] public const OleDbType DBTime; 23 [C++] public: const OleDbType DBTime; 24

[VB] Public Const DBTime As OleDbType

1	[JScript] public var DBTime : OleDbType;
2	-
3	Description
4	Time data in the format hhmmss (DBTYPE_DBTIME). This maps to
5	System.TimeSpan.
6	ToString
7	
8	[C#] public const OleDbType DBTimeStamp;
9	[C++] public: const OleDbType DBTimeStamp;
10	[VB] Public Const DBTimeStamp As OleDbType
11	[JScript] public var DBTimeStamp : OleDbType;
12	
13	Description
14	Data and time data in the format yyyymmddhhmmss
15	(DBTYPE_DBTIMESTAMP). This maps to System.DateTime.
16	ToString
17	
18	[C#] public const OleDbType Decimal;
19	[C++] public: const OleDbType Decimal;
20	[VB] Public Const Decimal As OleDbType
21	[JScript] public var Decimal : OleDbType;
22	
23	Description
24	A fixed precision and scale numeric value between -10 -1 and 10 -1
25	(DBTYPE DECIMAL). This maps to System. Decimal.

1	ToString
2	
3	[C#] public const OleDbType Double;
4	[C++] public: const OleDbType Double;
5	[VB] Public Const Double As OleDbType
6	[JScript] public var Double : OleDbType;
7	
8	Description
9	A floating point number within the range of -1.79E +308 through 1.79E
10	+308 (DBTYPE_R8). This maps to System.Double.
11	ToString
12	
13	[C#] public const OleDbType Empty;
14	[C++] public: const OleDbType Empty;
15	[VB] Public Const Empty As OleDbType
16	[JScript] public var Empty : OleDbType;
17	
18	Description
19	No value (DBTYPE_EMPTY). This maps to System.Empty.
20	ToString
21	
22	[C#] public const OleDbType Error;
23	[C++] public: const OleDbType Error;
24	[VB] Public Const Error As OleDbType
25	[JScript] public var Error : OleDbType;

MS1-864US.APP

1	
2	Description
3	A 32-bit error code (DBTYPE_ERROR). This maps to System.Exception
4	ToString
5	
6	[C#] public const OleDbType Filetime;
7	[C++] public: const OleDbType Filetime;
8	[VB] Public Const Filetime As OleDbType
9	[JScript] public var Filetime : OleDbType;
10	
11	Description
12	A 64-bit unsigned integer representing the number of 100-nanosecond
13	intervals since January 1, 1601 (DBTYPE_FILETIME). This maps to
14	System.DateTime .
15	ToString
16	
17	[C#] public const OleDbType Guid;
18	[C++] public: const OleDbType Guid;
19	[VB] Public Const Guid As OleDbType
20	[JScript] public var Guid : OleDbType;
21	
22	Description
23	A globally unique identifier (or GUID) (DBTYPE_GUID). This maps to
24	System.Guid.
25	ToString

1	
2	[C#] public const OleDbType IDispatch;
3	[C++] public: const OleDbType IDispatch;
4	[VB] Public Const IDispatch As OleDbType
5	[JScript] public var IDispatch : OleDbType;
6	
7	Description
8	A pointer to an IDispatch interface (DBTYPE_IDISPATCH). This maps to
9	System.Object.
10	ToString
11	
12	[C#] public const OleDbType Integer;
13	[C++] public: const OleDbType Integer;
14	[VB] Public Const Integer As OleDbType
15	[JScript] public var Integer : OleDbType;
16	
17	Description
18	A 32-bit signed integer (DBTYPE_I4). This maps to System.Int32 .
19	ToString
20	
21	[C#] public const OleDbType IUnknown;
22	[C++] public: const OleDbType IUnknown;
23	[VB] Public Const IUnknown As OleDbType
24	[JScript] public var IUnknown : OleDbType;
25	

Description
A pointer to an IUnknown interface (DBTYPE_UNKNOWN). This maps
to System.Object.
ToString
[C#] public const OleDbType LongVarBinary;
[C++] public: const OleDbType LongVarBinary;
[VB] Public Const LongVarBinary As OleDbType
[JScript] public var LongVarBinary : OleDbType;
Description
A long binary value (System.Data.OleDb.OleDbParameter only). This
maps to an System.Array of type System.Byte.
ToString
[C#] public const OleDbType LongVarChar;
[C++] public: const OleDbType LongVarChar;
[VB] Public Const LongVarChar As OleDbType
[JScript] public var LongVarChar : OleDbType;
•
Description
A long string value (System.Data.OleDb.OleDbParameter only). This
maps to System.String.
ToString

1	
2	[C#] public const OleDbType LongVarWChar;
3	[C++] public: const OleDbType LongVarWChar;
4	[VB] Public Const LongVarWChar As OleDbType
5	[JScript] public var LongVarWChar : OleDbType;
6	
7	Description
8	A long null-terminated Unicode string value (
9	System.Data.OleDb.OleDbParameter only). This maps to System.String.
10	ToString
11	
12	[C#] public const OleDbType Numeric;
13	[C++] public: const OleDbType Numeric;
14	[VB] Public Const Numeric As OleDbType
15	[JScript] public var Numeric : OleDbType;
16	
17	Description
18	An exact numeric value with a fixed precision and scale
19	(DBTYPE_NUMERIC). This maps to System.Decimal.
20	ToString
21	
22	[C#] public const OleDbType PropVariant;
23	[C++] public: const OleDbType PropVariant;
24	[VB] Public Const PropVariant As OleDbType
25	[JScript] public var PropVariant : OleDbTvpe:

- 1	
1	
2	Description
3	An automation PROPVARIANT (DBTYPE_PROP_VARIANT). This
4	maps to System.Object.
5	ToString
6	
7	[C#] public const OleDbType Single;
8	[C++] public: const OleDbType Single;
9	[VB] Public Const Single As OleDbType
10	[JScript] public var Single : OleDbType;
11	
12	Description
13	A floating point number within the range of -3.40E +38 through 3.40E +38
14	(DBTYPE_R4). This maps to System.Single.
15	ToString
16	·
17	[C#] public const OleDbType SmallInt;
18	[C++] public: const OleDbType SmallInt;
19	[VB] Public Const SmallInt As OleDbType
20	[JScript] public var SmallInt : OleDbType;
21	
22	Description
23	A 16-bit signed integer (DBTYPE_I2). This maps to System.Int16.
24	ToString
25	

1	
2	[C#] public const OleDbType TinyInt;
3	[C++] public: const OleDbType TinyInt;
4	[VB] Public Const TinyInt As OleDbType
5	[JScript] public var TinyInt : OleDbType;
6	
7	Description
8	A 8-bit signed integer (DBTYPE_II). This maps to System.SByte.
9	ToString
10	
11	[C#] public const OleDbType UnsignedBigInt;
12	[C++] public: const OleDbType UnsignedBigInt;
13	[VB] Public Const UnsignedBigInt As OleDbType
14	[JScript] public var UnsignedBigInt : OleDbType;
15	
16	Description
17	A 64-bit unsigned integer (DBTYPE_UI8). This maps to System.UInt64
18	ToString
19	
20	[C#] public const OleDbType UnsignedInt;
21	[C++] public: const OleDbType UnsignedInt;
22	[VB] Public Const UnsignedInt As OleDbType
23	[JScript] public var UnsignedInt : OleDbType;
24	
25	Description

1	A 32-bit unsigned integer (DBTYPE_UI4). This maps to System.UInt32
2	ToString
3	
4	[C#] public const OleDbType UnsignedSmallInt;
5	[C++] public: const OleDbType UnsignedSmallInt;
6	[VB] Public Const UnsignedSmallInt As OleDbType
7	[JScript] public var UnsignedSmallInt : OleDbType;
8	
9	Description
10	A 16-bit unsigned integer (DBTYPE_UI2). This maps to System.UInt16
11	ToString
12	
13	[C#] public const OleDbType UnsignedTinyInt;
14	[C++] public: const OleDbType UnsignedTinyInt;
15	[VB] Public Const UnsignedTinyInt As OleDbType
16	[JScript] public var UnsignedTinyInt : OleDbType;
17	
18	Description
19	A 8-bit unsigned integer (DBTYPE_UI1). This maps to System.Byte.
20	ToString
21	
22	[C#] public const OleDbType VarBinary;
23	[C++] public: const OleDbType VarBinary;
24	[VB] Public Const VarBinary As OleDbType
25	[JScript] public var VarBinary : OleDbType;

1	.
2	Description
3	A variable-length stream of binary data (
4	System.Data.OleDb.OleDbParameter only). This maps to an System.Array of
5	type System.Byte.
6	ToString
7	
8	[C#] public const OleDbType VarChar;
9	[C++] public: const OleDbType VarChar;
10	[VB] Public Const VarChar As OleDbType
11	[JScript] public var VarChar : OleDbType;
12	
13	Description
14	A variable-length stream of non-Unicode characters (
15	System.Data.OleDb.OleDbParameter only). This maps to System.String.
16	ToString
17	·
18	[C#] public const OleDbType Variant;
19	[C++] public: const OleDbType Variant;
20	[VB] Public Const Variant As OleDbType
21	[JScript] public var Variant : OleDbType;
22	
23	Description
24	
25	

A special data type that can contain numeric, string, binary, or date data, as well as the special values Empty and Null (DBTYPE_VARIANT). This type is assumed if no other is specified. This maps to **System.Object**.

ToString

5

6

7

8

9

10

11

12

13

14

15

16

17

18

1

2

3

[C#] public const OleDbType VarNumeric;

[C++] public: const OleDbType VarNumeric;

[VB] Public Const VarNumeric As OleDbType

[JScript] public var VarNumeric : OleDbType;

Description

A variable-length numeric value (System.Data.OleDb.OleDbParameter only). This maps to System.Decimal .

ToString

[C#] public const OleDbType VarWChar;

[C++] public: const OleDbType VarWChar;

[VB] Public Const VarWChar As Ol

19

20

21 . 22

23

24

Description

System.Data.SqlClient

The **System.Data.SqlClient** namespace is the SQL Server .NET Data Provider.

SqlClientPermission class (System.Data.SqlClient) 2 3 Description Provides the capability for the SQL Server .NET Data Provider to ensure 5 that a user has a security level adequate to access a data source. 6 Constructors: 7 SqlClientPermission 8 Example Syntax: 9 10 SqlClientPermission(); public [C#] 11 SqlClientPermission(); public: [C++]12 Public Sub New() [VB] 13 [JScript] public function SqlClientPermission(); Initializes a new instance of the 14 System.Data.SqlClient.SqlClientPermission class. 15 16 Description 17 Initializes a new instance of the 18 System.Data.SqlClient.SqlClientPermission class. 19 **SqlClientPermission** 20 Example Syntax: 21 22 SqlClientPermission(PermissionState [C#] public state); 23 public: SqlClientPermission(PermissionState state); [C++]24 **Public** [VB] Sub New(ByVal As PermissionState)

state

1	[JScript] public function SqlClientPermission(state : PermissionState);
2	
3	Description
4	One of the System. Security. Permissions. Permission State values.
5	SqlClientPermission
6	Example Syntax:
7	
8	[C#] public SqlClientPermission(PermissionState state, bool
9	allowBlankPassword);
10	[C++] public: SqlClientPermission(PermissionState state, bool
11	allowBlankPassword);
12	[VB] Public Sub New(ByVal state As PermissionState, ByVal
13	allowBlankPassword As Boolean)
14	[JScript] public function SqlClientPermission(state : PermissionState,
15	allowBlankPassword : Boolean);
16	
17	Description
18	One of the System.Security.Permissions.PermissionState values.
19	Indicates whether a blank password is allowed.
20	Properties:
21	AllowBlankPassword
22	Methods:
23	SqlClientPermissionAttribute class (System.Data.SqlClient)
24	Union
25	

1												
2												
3	Description											
4	Associates a security action with a custom security attribute.											
5	SqlClientPermissionAttribute											
6	Example Syntax:											
7	Union											
8												
9	[C#] public SqlClientPermissionAttribute(SecurityAction action);											
10	[C++] public: SqlClientPermissionAttribute(SecurityAction action);											
11	[VB] Public Sub New(ByVal action As SecurityAction)											
12	[JScript] public function SqlClientPermissionAttribute(action : SecurityAction);											
13												
14	Description											
15	Initializes a new instance of the											
16	System.Data.SqlClient.SqlClientPermissionAttribute class.											
17	Return Value: A System.Data.SqlClient.SqlClientPermissionAttribute object.											
18	One of the the System.Security.Permissions.SecurityAction values representing											
19	an action that can be performed using declarative security.											
20	Action											
21	AllowBlankPassword											
22	TypeId											
23	Unrestricted											
24	CreatePermission											
25												

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#]

[C#] **IPermission** CreatePermission(); public override CreatePermission(); IPermission* [C++]public: **Function** CreatePermission() **IPermission** [VB] Overrides Public As public function CreatePermission() IPermission; [JScript] override Description Returns a System.Data.SqlClient.SqlClientPermission object that is attribute configured according the properties. to Return Value: A System.Data.SqlClient.SqlClientPermission object. SqlCommand class (System.Data.SqlClient) **ToString** Description Represents a Transact-SQL statement or stored procedure to execute at a SQL Server database. This class cannot be inherited. When an instance of System.Data.SqlClient.SqlCommand is created, the read/write properties are set to their initial values. For a list of these values, see the System.Data.SqlClient.SqlCommand constructor. SqlCommand Example Syntax: **ToString**

public

765

SqlCommand();

MS1-864US.APP

[C++] public: SqlCommand();
[VB] Public Sub New()

[JScript] public function SqlCommand(); Initializes a new instance of the

System.Data.SqlClient.SqlCommand class.

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Initializes a new instance of the System.Data.SqlClient.SqlCommand class.

The following table shows initial property values for an instance of System.Data.SqlClient.SqlCommand.

SqlCommand

Example Syntax:

ToString

[C#] public SqlCommand(string cmdText); SqlCommand(String* cmdText); [C++]public: [VB] Public Sub New(ByVal cmdText As String) function [JScript] public SqlCommand(cmdText String);

Description

Initializes a new instance of the **System.Data.SqlClient.SqlCommand** class with the text of the query.

When an instance of **System.Data.SqlClient.SqlCommand** is created, the following read/write properties are set to initial values. The text of the query.

SqlCommand

Example Syntax:

ToString

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

1

2

[C#] public

[C++] public: SqlCommand(String* cmdText, SqlConnection* connection);

SqlCommand(string cmdText,

SqlConnection

connection);

[VB] Public Sub New(ByVal cmdText As String, ByVal connection As

SqlConnection)

[JScript] public function SqlCommand(cmdText : String, connection :

SqlConnection);

Description

Initializes a new instance of the System.Data.SqlClient.SqlCommand class with the text of the query and a System.Data.SqlClient.SqlConnection .

The following table shows initial property values for an instance of System.Data.SqlClient.SqlCommand The of the text query. System.Data.SqlClient.SqlConnection that represents the connection to an instance of SQL Server.

SqlCommand

Example Syntax:

ToString

21

22

23

24

25

[C#] SqlCommand(string cmdText, SqlConnection public connection, **SqlTransaction** transaction); [C++] public: SqlCommand(String* cmdText, SqlConnection* connection, SqlTransaction* transaction);

767 lee@hayes pac 509-324-9256 MS1-864US.APP

[VB]	Public	Sub	New(By	Val	cmdText	As	String	,	ByVal	connection	ı A	۱s
SqlCo	nnection	ı,	ByVal		transac	tion		As	1	SqlTransa	ctio	n)
[JScrip	pt] pul	olic	function	Sql	Command	(cmd	Text	:	String,	connecti	on	:
SqlConnection,		ı,	tr	ansa	action		:			SqlTransac	tion	ι);

Initializes a new instance of the System.Data.SqlClient.SqlCommand class with the text of the query, a System.Data.SqlClient.SqlConnection , and the System.Data.SqlClient.Transaction .

The following table shows initial property values for an instance of System.Data.SqlClient.SqlCommand. The text of the query. A System.Data.SqlClient.SqlConnection that represents the connection to an instance of SQL Server. The System.Data.SqlClient.SqlTransaction in which the System.Data.SqlClient.SqlCommand executes.

CommandText

ToString

[C#] public string CommandText {get; set;}
[C++] public: __property String* get_CommandText();public: __property void
set_CommandText(String*);

[VB] Public Property CommandText As String

[JScript] public function get CommandText() : String; public function set

CommandText(String);

Description

Gets or sets the Transact-SQL statement or stored procedure to execute at the data source.

When the System.Data.SqlClient.SqlCommand.CommandType property is set to StoredProcedure , the System.Data.SqlClient.SqlCommand.CommandText property should be set to the name of the stored procedure. The command executes this stored procedure when you call one of the Execute methods.

CommandTimeout

ToString

[C#] public int CommandTimeout {get; set;}
[C++] public: __property int get_CommandTimeout();public: __property void
set_CommandTimeout(int);

[VB] Public Property CommandTimeout As Integer

[JScript] public function get CommandTimeout(): int;public function set

CommandTimeout(int);

Description

Gets or sets the wait time before terminating the attempt to execute a command and generating an error.

A value of 0 indicates no limit, and should be avoided in a **System.Data.OleDb.OleDbCommand.CommandTimeout** because an attempt to execute a command will wait indefinitely.

CommandType

ToString

5

6

7

8

9

10

. 11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#]	public	CommandTy	pe Command	iType	{get;	set;}				
[C++] pu	ıblic:pro	perty Command	Type get_Commai	ndType();	public:	property				
void			set_Com	mandType	e(Comman	ıdType);				
[VB]	Public	Property	CommandType	As	Comma	andType				
[JScript] public function get CommandType() : CommandType;public function set										
CommandType(CommandType);										

Description

Gets or sets a value indicating how the System.Data.SqlClient.SqlCommand.CommandText property is to be interpreted.

When you set the **System.Data.SqlClient.SqlCommand.CommandType** property to **StoredProcedure**, you should set the **System.Data.SqlClient.SqlCommand.CommandText** property to the name of the stored procedure. The command executes this stored procedure when you call one of the Execute methods.

Connection

ToString

Connection [C#] public SqlConnection {get; set;} [C++] public: property SqlConnection* get Connection();public: __property set Connection(SqlConnection*); void **Public** Connection [VB] **Property** As SqlConnection [JScript] public function get Connection(): SqlConnection; public function set

		۱
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
1	0	
1	1	
1	2	
1	3	
1	4	
1	5	
1	6	
1	7	
ı	8	
1	9	
2	20	

Connection	(SqlConn	ection)
------------	----------	---------

. ||

Gets or sets the **System.Data.SqlClient.SqlConnection** used by this instance of the **System.Data.SqlClient.SqlCommand** .

If you set System.Data.SqlClient.SqlCommand.Connection while a transaction is in and the progress System.Data.SqlClient.SqlCommand.Transaction property is not null, an System.InvalidOperationException If the is generated. System.Data.SqlClient.SqlCommand.Transaction property is not null and the already committed been rolled back, transaction has or System.Data.SqlClient.SqlCommand.Transaction is set to null.

Container

DesignMode

DesignTimeVisible

ToString

Description

Gets or sets a value indicating whether the command object should be visible in a Windows Forms Designer control.

Events

Parameters

ToString

25

21

22

23

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the System.Data.SqlClient.SqlParameterCollection .

The SQL Server .NET Data Provider does not support the question mark

(?) placeholder for passing parameters to a SQL Statement or a stored procedure
called by a Command of CommandType.Text. In this case, named parameters
must be used. For example: SELECT * FROM Customers WHERE CustomerID =

@CustomerID For more information see .

Site

Transaction

ToString

Description

Gets or sets the transaction in which the System.Data.SqlClient.SqlCommand executes.

UpdatedRowSource

ToString

UpdateRowSource UpdatedRowSource [C#] public {get; set;} [C++] public: property UpdateRowSource get UpdatedRowSource();public: set UpdatedRowSource(UpdateRowSource); void property **UpdateRowSource** [VB] Public **Property UpdatedRowSource** As [JScript] public function get UpdatedRowSource(): UpdateRowSource;public

1	function set			UpdatedRowSource(UpdateRowSource);							
2											
3	Description	on									
4	Ge	ets or	sets	how	command	results	are	applied	to	the	
5	System.D	ata.Data	Row		when	used		by		the	
6	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) me										
7	of the System.Data.Common.DbDataAdapter.										
8	Ca	ncel									
9						·					
10	[C#]		p	ublic		void			Can	cel();	
11	[C++]	r	oublic:		sealed		void		Can	cel();	
12	[VB]	No	tOverr	idable	Pub	Public Sub			Cancel()		
13	[JScript]		1	public	function Cancel();					cel();	
14											
15	Description	on									
16	Ca	ncels the	execut	ion of a	System.Data	a.SqlCliei	nt.Sql	Comman	d .		
17	Cr	eateParan	neter								
18											
19	[C#]	p	oublic		SqlParan	neter		CreateI	Parame	ter();	
20	[C++]	F	oublic:		SqlParan	neter*		CreateI	Parame	ter();	
21	[VB]	Public	Fu	nction	CreatePa	rameter()	A	s S	qlParan	neter	
22	[JScript]	publi	c	function	Createl	Parameter	0	: Sq	lParam	eter;	
23											
24	Description	on									
25											



The System.Data.SqlClient.SqlCommand.CreateParameter method is a strongly-typed version of System.Data.IDbCommand.CreateParameter.

ExecuteNonQuery

[C#]	public		int		ExecuteNonQuery();		
[C++]	public:	_	_sealed	int	Execut	eNon	Query();
[VB]	NotOverridabl	le Public	Function	ExecuteNo	onQuery()	As	Integer
[JScrip	ot] public	func	tion F	ExecuteNon(Query()	:	int;
					•		
Descri	ption						
		-					.4

Executes a Transact-SQL statement against the System.Data.SqlClient.SqlCommand.Connection and returns the number of rows affected.

Return Value: The number of rows affected.

You can use the System.Data.SqlClient.SqlCommand.ExecuteNonQuery to perform catalog operations (for example, querying the structure of a database or creating database objects such as tables), or to change the data in a database without using a System.Data.DataSet by executing UPDATE, INSERT, or DELETE statements.

ExecuteReader

[C#] public SqlDataReader ExecuteReader(); [C++] public: SqlDataReader* ExecuteReader(); [VB] **Public Function** ExecuteReader() SqlDataReader As Sends [JScript] public function ExecuteReader() : SqlDataReader; the System.Data.SqlClient.SqlCommand.CommandText the to builds System.Data.SqlClient.SqlCommand.Connection and a System.Data.SqlClient.SqlDataReader

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Sends the System.Data.SqlClient.SqlCommand.CommandText to the System.Data.SqlClient.SqlCommand.Connection and builds a System.Data.SqlClient.SqlDataReader . .

Return Value: A System.Data.SqlClient.SqlDataReader object.

When the System.Data.SqlClient.SqlCommand.CommandType property is set to StoredProcedure , the System.Data.SqlClient.SqlCommand.CommandText property should be set to the name of the stored procedure. The command executes this stored procedure when you call System.Data.SqlClient.SqlCommand.ExecuteReader .

ExecuteReader

[C#] public SqlDataReader ExecuteReader(CommandBehavior behavior);
[C++] public: SqlDataReader* ExecuteReader(CommandBehavior behavior);
[VB] Public Function ExecuteReader(ByVal behavior As CommandBehavior) As
SqlDataReader

[JScript] public function ExecuteReader(behavior : CommandBehavior) :
SqlDataReader;

lee@hayes øx 509-324-9256

1

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Sends the System.Data.SqlClient.SqlCommand.CommandText to the System.Data.SqlClient.SqlCommand.Connection , and builds a System.Data.SqlClient.SqlDataReader using one of the System.Data.CommandBehavior values.

Return Value: A System.Data.SqlClient.SqlDataReader object.

When the System.Data.SqlClient.SqlCommand.CommandType property is set to StoredProcedure , the System.Data.SqlClient.SqlCommand.CommandText property should be set to the name of the stored procedure. The command executes this stored procedure when you call System.Data.SqlClient.SqlCommand.ExecuteReader . One of the System.Data.CommandBehavior values.

ExecuteScalar

public object ExecuteScalar(); [C#] [C++]public: sealed Object* ExecuteScalar(); Public [VB] NotOverridable Function ExecuteScalar() Object As [JScript] public function ExecuteScalar() Object;

Description

Executes the query, and returns the first column of the first row in the resultset returned by the query. Extra columns or rows are ignored. Return Value: The first column of the first row in the resultset.

ű
ū
īŲ
Л
Ħ
ii.
4
ᆲ
<u></u>

Use the **System.Data.SqlClient.SqlCommand.ExecuteScalar** method to retrieve a single value (for example, an aggregate value) from a database. This requires less code than using the **System.Data.SqlClient.SqlCommand.ExecuteReader** method, and then performing the operations necessary to generate the single value using the data returned by a **System.Data.SqlClient.SqlDataReader**.

ExecuteXmlReader

[C#] public XmlReader ExecuteXmlReader();
[C++] public: XmlReader* ExecuteXmlReader();
[VB] Public Function ExecuteXmlReader() As XmlReader

[VB] Public Function ExecuteXmlReader() As XmlReader

[JScript] public function ExecuteXmlReader() : XmlReader;

Description

Sends the System.Data.SqlClient.SqlCommand.CommandText to the System.Data.SqlClient.SqlCommand.Connection and builds an System.Xml.XmlReader object.

Return Value: An System.Xml.XmlReader object.

The **System.Data.SqlClient.SqlCommand.CommandText** property usually specifies a Transact-SQL statement with a valid FOR XML clause. However, **System.Data.SqlClient.SqlCommand.CommandText** can also specify a statement that returns **ntext** data containing valid XML.

Prepare

[C#] public void Prepare();

[C++] public: __sealed void Prepare();
[VB] NotOverridable Public Sub Prepare()
[JScript] public function Prepare();

Description

Creates a prepared version of the command on an instance of SQL Server.

If the System.Data.SqlClient.SqlCommand.CommandType property is set to TableDirect , System.Data.SqlClient.SqlCommand.Prepare does nothing. If System.Data.SqlClient.SqlCommand.CommandType is set to StoredProcedure , the call to System.Data.SqlClient.SqlCommand.Prepare should succeed, although it may result in a no-op.

ResetCommandTimeout

[C#]	public	void	ResetCommandTimeout();
[C++]	public:	void	ResetCommandTimeout();
[VB]	Public	Sub	ResetCommandTimeout()
[JScript]	public	function	ResetCommandTimeout();

Description

Resets the **System.Data.SqlClient.SqlCommand.CommandTimeout** property to its default value.

The default value of the System.Data.SqlClient.SqlCommand.CommandTimeout is 30 seconds.

IDbCommand.CreateParameter

,						
2	[C#] IDbDataParameter IDbCommand.CreateParameter();					
3	[C++] IDbDataParameter* IDbCommand::CreateParameter();					
4	[VB] Function CreateParameter() As IDbDataParameter Implements					
5	IDbCommand.CreateParameter					
6	[JScript] function IDbCommand.CreateParameter(): IDbDataParameter;					
7	IDbCommand.ExecuteReader					
8						
9	[C#] IDataReader IDbCommand.ExecuteReader();					
10	[C++] IDataReader* IDbCommand::ExecuteReader();					
11	[VB] Function ExecuteReader() As IDataReader Implements					
12	IDbCommand.ExecuteReader					
13	[JScript] function IDbCommand.ExecuteReader(): IDataReader;					
14	IDbCommand.ExecuteReader					
15						
16	[C#] IDataReader IDbCommand.ExecuteReader(CommandBehavior behavior);					
17	[C++] IDataReader* IDbCommand::ExecuteReader(CommandBehavior					
18	behavior);					
19	[VB] Function ExecuteReader(ByVal behavior As CommandBehavior) As					
20	IDataReader Implements IDbCommand.ExecuteReader					
21	[JScript] function IDbCommand.ExecuteReader(behavior : CommandBehavior) :					
22	IDataReader;					
23	ICloneable.Clone					
24						
25	[C#] object ICloneable.Clone();					

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

statements

lee@hayes 🗚

[C++]Object* ICloneable::Clone(); [VB] **Function** Clone() As Object **Implements** ICloneable.Clone [JScript] function ICloneable.Clone(): Object; SqlCommandBuilder class (System.Data.SqlClient) **ToString** Description Provides a means of automatically generating single-table commands used to reconcile changes made to a System.Data.DataSet with the associated SQL Server database. This class cannot be inherited. The System.Data.SqlClient.SqlDataAdapter does not automatically generate the Transact-SQL statements required to reconcile changes made to a System.Data.DataSet with the associated instance of SQL Server. However, you System.Data.SqlClient.SqlCommandBuilder can create object automatically generate Transact-SQL statements for single-table updates if you set the System.Data.SqlClient.SqlDataAdapter.SelectCommand property of the

SqlCommandBuilder

that

Example Syntax:

ToString

[C#] public SqlCommandBuilder();

System.Data.SqlClient.SqlDataAdapter. Then, any additional Transact-SQL

set

are

not

generated

by

the

do

you

System.Data.SqlClient.SqlCommandBuilder.

49256 780 MS1-864US.APP

1	[C++]	public:	SqlO	CommandBuilder();
2	[VB]	Public	Sub	New()
3	[JScript] public function	SqlCommandBuile	der(); Initializes a r	new instance of the
4	System.Data.SqlClient.S	SqlCommandBuild	der	class.
5				
6	Description			
7	Initializes	a new	instance	of the
8	System.Data.SqlClient.S	SqlCommandBuild	der class.	
9	SqlCommandBuild	ler		
10	Example Syntax:			
11	ToString			
12				
13	[C#] public	SqlCommandBu	ilder(SqlDataAdapt	er adapter);
14	[C++] public:	SqlCommandBu	ilder(SqlDataAdapt	er* adapter);
15	[VB] Public Sub	New(ByVal	adapter As	SqlDataAdapter)
16	[JScript] public functi	on SqlCommand	Builder(adapter :	SqlDataAdapter);
17				
18	Description			
19	Initializes	a new	instance	of the
20	System.Data.SqlClient.S	_		the associated
21	System.Data.SqlClient.S	-	object. The	name of the
22	System.Data.SqlClient.S	SqlDataAdapter.		
23	Container			
24	DataAdapter			
25	ToString			

Gets or sets a **System.Data.SqlClient.SqlDataAdapter** object for which Transact-SQL statements are automatically generated.

The System.Data.SqlClient.SqlCommandBuilder registers itself as a listener for System.Data.SqlClient.SqlDataAdapter.RowUpdating events generated by the System.Data.SqlClient.SqlDataAdapter.

DesignMode

Events

QuotePrefix

ToString

Description

Gets or sets the beginning character or characters to use when specifying SQL Server object names, (for example, tables or columns), that contain characters such as spaces.

Database objects in instances of SQL Server 2000 and SQL Server version 7.0 can contain any valid Microsoft Windows NT® or Microsoft Windows® 2000 characters, including spaces, commas, and semicolons. To accommodate this capability, use the **System.Data.SqlClient.SqlCommandBuilder.QuotePrefix** and **System.Data.SqlClient.SqlCommandBuilder.QuoteSuffix** properties to specify delimiters such as a left bracket and a right bracket to encapsulate the object name.

QuoteSuffix

ToString

[C#] public string QuoteSuffix {get; set;}

[C++] public: __property String* get_QuoteSuffix();public: __property void set QuoteSuffix(String*);

[VB] Public Property QuoteSuffix As String

[JScript] public function get QuoteSuffix() : String; public function set

QuoteSuffix(String);

Description

Gets or sets the ending character or characters to use when specifying SQL Server object names, (for example, tables or columns), that contain characters such as spaces.

Database objects in instances of SQL Server 2000 and SQL Server version 7.0 can contain any valid Microsoft Windows NT® or Microsoft Windows® 2000 characters, including spaces, commas, and semicolons. To accommodate this capability, use the System.Data.SqlClient.SqlCommandBuilder.QuotePrefix and System.Data.SqlClient.SqlCommandBuilder.QuoteSuffix properties to specify delimiters such as a left bracket and a right bracket to encapsulate the object name.

Site

Dispose

[C#] protected override void Dispose(bool disposing);

[C++] protected: void Dispose(bool disposing);
[VB] Overrides Protected Sub Dispose(ByVal disposing As Boolean)
[JScript] protected override function Dispose(disposing : Boolean); Releases the resources used by the System.Data.SqlClient.SqlCommandBuilder .

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Releases the unmanaged resources used by the System.Data.SqlClient.SqlCommandBuilder and optionally releases the managed resources.

This method is called by the public method and the System.Object.Finalize method. true to release both managed and unmanaged resources; false to release only unmanaged resources.

GetDeleteCommand

[C#] public SqlCommand GetDeleteCommand(); [C++]public: SqlCommand* GetDeleteCommand(); GetDeleteCommand() SqlCommand [VB] Public **Function** As [JScript] public function GetDeleteCommand() : SqlCommand;

Description

Gets the automatically generated Transact-SQL statement required to perform deletions on the database when an application calls System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) on the System.Data.SqlClient.SqlDataAdapter . .

Return Value: The text of the Transact-SQL statement to be executed.

An application can use the System.Data.SqlClient.SqlCommandBuilder.GetDeleteCommand method for informational or troubleshooting purposes because it returns the text of the statement to be executed.

GetInsertCommand

[C#]	pub	olic	SqiCommand	Getin	sertCommand();
[C++]	public:		SqlCommand*	qlCommand* GetInsertCom	
[VB]	Public	Function	GetInsertCommand()	As	SqlCommand
[JScript]	public	function	GetInsertCommand()	:	SqlCommand;

Description

Gets the automatically generated Transact-SQL statement required to perform inserts on the database when an application calls System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) on the System.Data.SqlClient.SqlDataAdapter

Return Value: The text of the Transact-SQL statement to be executed.

An application can use the System.Data.SqlClient.SqlCommandBuilder.GetInsertCommand method for informational or troubleshooting purposes because it returns the text of the statement to be executed.

Get Update Command

[C#]	public	SqlCommand	<pre>GetUpdateCommand();</pre>
[C++]	public:	SqlCommand*	GetUpdateCommand();

[VB] Public Function GetUpdateCommand() As SqlCommand [JScript] public function GetUpdateCommand() : SqlCommand;

Description

Gets the automatically generated Transact-SQL statement required to perform updates on the database when an application calls System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) on the System.Data.SqlClient.SqlDataAdapter . .

Return Value: The text of the Transact-SQL statement to be executed.

An application can use the System.Data.SqlClient.SqlCommandBuilder.GetUpdateCommand method for informational or troubleshooting purposes because it returns the text of the statement to be executed.

RefreshSchema

[C#]	public	void	RefreshSchema();
[C++]	public:	void	RefreshSchema();
[VB]	Public	Sub	RefreshSchema()
[JScript]	public	function	RefreshSchema();

Description

Refreshes the database schema information used to generate INSERT, UPDATE, or DELETE statements.

An application should call System.Data.SqlClient.SqlCommandBuilder.RefreshSchema whenever the

SELECT statement associated with the System.Data.SqlClient.SqlCommandBuilder changes. 2 SqlConnection class (System.Data.SqlClient) 3 **ToString** 5 6 Description 7 Represents an open connection to a SQL Server database. This class cannot 8 be inherited. 9 A System.Data.SqlClient.SqlConnection object represents a unique 10 session to a SQL Server data source. In the case of a client/server database system, 11 it is equivalent to a network connection to the server. 12 SqlConnection 13 Example Syntax: 14 **ToString** 15 16 [C#] public SqlConnection(); 17 SqlConnection(); public: [C++]18 Public Sub [VB] New() 19 [JScript] public function SqlConnection(); Initializes a new instance of the 20 System.Data.SqlClient.SqlConnection class. 21 22 Description 23 Initializes a new instance of the System.Data.SqlClient.SqlConnection 24 class. 25

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

When a new instance of System.Data.SqlClient.SqlConnection is created, the read/write properties are set to the following initial values unless they are specifically set using their associated keywords in the System.Data.SqlClient.SqlConnection.ConnectionString property.

SqlConnection

Example Syntax:

ToString

[C#] public SqlConnection(string connectionString);

[C++] public: SqlConnection(String* connectionString);

[VB] Public Sub New(ByVal connectionString As String)

[JScript] public function SqlConnection(connectionString : String);

Description

Initializes a new instance of the **System.Data.SqlClient.SqlConnection** class when given a string containing the connection string.

When a new instance of **System.Data.SqlClient.SqlConnection** is created, the read/write properties are set to the following initial values unless they are specifically set using their associated keywords in the **System.Data.SqlClient.SqlConnection.ConnectionString** property. The connection used to open the SQL Server database.

ConnectionString

ToString

[C#] public string ConnectionString {get; set;}

[C++] pu	blic:prope	rty String* get_	ConnectionString();publ	ic:prop	erty void	
<pre>set_ConnectionString(String*);</pre>						
[VB]	Public	Property	ConnectionString	As	String	
[JScript]	public funct	ion get Conne	ectionString() : String;p	ublic fun	ction set	

ConnectionString(String);

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets or sets the string used to open a SQL Server database.

The System.Data.SqlClient.SqlConnection.ConnectionString is similar to an OLE DB connection string, but is not identical. Unlike OLE DB or ADO, the returned the connection string that is is same as the user-set System.Data.SqlClient.SqlConnection.ConnectionString minus security information if Persist Security Info value is set to false (default). The SQL Server .NET Data Provider does not persist or return the password in a connection string unless you set Persist Security Info to true.

ConnectionTimeout

ToString

```
ConnectionTimeout
              public
[C#]
                              int
                                                                         {get;}
                                                     get ConnectionTimeout();
            public:
                                           int
[C++]
                            property
                                           ConnectionTimeout
                  ReadOnly
                               Property
                                                                 As
                                                                        Integer
[VB]
        Public
                                            ConnectionTimeout()
[JScript]
            public
                       function
                                                                           int;
                                    get
```

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the time to wait while trying to establish a connection before terminating the attempt and generating an error.

A value of 0 indicates no limit, and should be avoided in a **System.Data.SqlClient.SqlConnection.ConnectionString** because an attempt to connect will wait indefinitely.

Container

Database

ToString

Description

Gets the name of the current database or the database to be used once a connection is open.

The System.Data.SqlClient.SqlConnection.Database property updates dynamically. If you change the current database using a Transact-SQL statement or the System.Data.SqlClient.SqlConnection.ChangeDatabase(System.String) method, an informational message is sent and the property is updated automatically.

DataSource

ToString

public DataSource string {get;} [C#] public: String* get DataSource(); [C++]property ReadOnly DataSource String [VB] Public **Property** As [JScript] public function DataSource() : String; get

lee@hayes ≠ 509-124-9256 790

11

12

13

14

15

16

17

18

19

20

21

22

23

24

2

Description

Description

DesignMode

PacketSize

ToString

Events

Gets the size (in bytes) of network packets used to communicate with an instance of SQL Server .

Gets the name of the instance of SQL Server to which to connect.

If an application performs bulk copy operations, or sends or receives large amounts of text or image data, a packet size larger than the default may improve efficiency because it results in fewer network read and write operations. If an application sends and receives small amounts of information, you can set the packet size to 512 bytes (using the Packet Size value the System.Data.SqlClient.SqlConnection.ConnectionString), which is sufficient for most data transfer operations. For most applications, the default packet size is best.

ServerVersion

ToString

[C#] public string ServerVersion {get;}
[C++] public: __property String* get_ServerVersion();

Ū	
ű	
IJ	
П	
n	
i)	
-1	
=	
=	

[VB] Public ReadOnly Property ServerVersion As String
[JScript] public function get ServerVersion() : String;

Description

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets a string containing the version of the instance of SQL Server to which the client is connected.

The version is of the form ##.##.###, where the first two digits are the major version, the next two digits are the minor version, and the last four digits are the release version. The string is of the form major.minor.build, where major and minor are exactly two digits and build is exactly four digits:

Site

State

ToString

Description

Gets the current state of the connection.

The allowed state changes are: From Closed to Open , using the Open method of the connnection object.

WorkstationId

ToString

WorkstationId public string {get;} [C#] public: property String* get WorkstationId(); [C++]ReadOnly String [VB] Public **Property** WorkstationId As

lee⊗hayes pt. 509-124-9256 792 MS1-864US.APP

١Ī
٠Đ
IJ
ΙЛ
Ţ1
:
٣
]nL
1

[JScript] function WorkstationId() String; public get 2 Description 3 Gets a string that identifies the database client. 4 The string typically contains the network name of the client. The 5 System.Data.SqlClient.SqlConnection.WorkstationId property corresponds to 6 the Workstation ID connection string property. 7 **ToString** 8 9 10 Description 11 Occurs when an informational message is added. 12 **ToString** 13 14 [C#] public StateChangeEventHandler StateChange; event 15 StateChangeEventHandler* StateChange; [C++]public: event 16 StateChange **Public** StateChangeEventHandler [VB] **Event** As 17 18 Description 19 Occurs when the state of the connection changes. 20 System.Data.SqlClient.SqlConnection.StateChange 21 whenever the System.Data.SqlClient.SqlConnection.State changes from closed 22 to opened, or from opened to closed. 23 BeginTransaction 24

public SqlTransaction BeginTransaction(); [C#] SqlTransaction* BeginTransaction(); [C++]public: BeginTransaction() **SqlTransaction** [VB] Public Function As [JScript] public function BeginTransaction(): SqlTransaction; Begins a database transaction.

Description

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Begins a database transaction.

Return Value: An object representing the new transaction.

This command maps to the SQL Server implementation of BEGIN TRANSACTION.

BeginTransaction

[C#] public SqlTransaction BeginTransaction(IsolationLevel iso);
[C++] public: SqlTransaction* BeginTransaction(IsolationLevel iso);
[VB] Public Function BeginTransaction(ByVal iso As IsolationLevel) As SqlTransaction
[JScript] public function BeginTransaction(iso: IsolationLevel): SqlTransaction;

Description

Begins a database transaction with the specified isolation level.

Return Value: An object representing the new transaction.

This command maps to the SQL Server implementation of BEGIN TRANSACTION. The isolation level under which the transaction should run.

BeginTransaction

[C#]	public	SqlTransaction	BeginTransaction(string	transactionName);
[C++]	public:	SqlTransaction*	BeginTransaction(String*	transactionName);
[VB] F	Public Fu	nction BeginTrans	saction(ByVal transactionNa	nme As String) As
SqlTrai	nsaction			

[JScript] public function BeginTransaction(transactionName : String) :
SqlTransaction; Begins a database transaction.

Description

Begins a database transaction with the specified transaction name.

**Return Value: An object representing the new transaction.

This command maps to the SQL Server implementation of BEGIN TRANSACTION. The name of the transaction.

BeginTransaction

[C#] public SqlTransaction BeginTransaction(IsolationLevel iso, string transactionName);

[C++] public: SqlTransaction* BeginTransaction(IsolationLevel iso, String* transactionName);

[VB] Public Function BeginTransaction(ByVal iso As IsolationLevel, ByVal transactionName As String) As SqlTransaction
[JScript] public function BeginTransaction(iso: IsolationLevel, transactionName:

String): SqlTransaction;

Description 2 Begins a database transaction with the specified isolation level and 3 transaction name. Return Value: An object representing the new transaction. 5 This command maps to the SQL Server implementation of BEGIN 6 TRANSACTION. The isolation level under which the transaction should run. The 7 name of the transaction. 8 ChangeDatabase 9 10 public void ChangeDatabase(string [C#] database); 11 ChangeDatabase(String* [C++]public: sealed void database); 12 [VB] NotOverridable Public Sub ChangeDatabase(ByVal database As String) 13 public [JScript] function ChangeDatabase(database String); 14 15 Description 16 Changes the current database for open an 17 System.Data.SqlClient.SqlConnection. 18 The value supplied in the database parameter must be a valid database 19 name. The database parameter cannot contain a null value, be empty, or contain a 20 string with only blank characters. The database name. 21 Close 22 23 public void Close(); [C#] 24 public: sealed void Close();

[C++]

[VB]	NotOverridable	Public	Sub	Close()
[JScript]	public	function		Close();

Description

Closes the connection to the database. This is the preferred method of closing any open connection.

The **System.Data.SqlClient.SqlConnection.Close** method rolls back any pending transactions. It then releases the connection to the connection pool, or closes the connection if connection pooling is disabled.

CreateCommand

[C#]	pub	lic	SqlCommand	Cr	eateCommand();
[C++]	pul	olic:	SqlCommand*	Cr	eateCommand();
[VB]	Public	Function	CreateCommand()	As	SqlCommand
[JScript]	public	function	CreateCommand()	:	SqlCommand;

Description

Creates and returns a **System.Data.SqlClient.SqlCommand** object associated with the **System.Data.SqlClient.SqlConnection** .

 ${\it Return~Value:}~A~{\bf System. Data. SqlClient. SqlCommand}~object.$

Dispose

[C#]	protecte	ed over	rride	void	Dis	spose(bool	(disposing);
[C++]	pro	otected:	VC	oid	Dispo	se(bool	C	disposing);
[VB]	Overrides	Protected	Sub	Dispose(ByVal	disposing	As	Boolean)

[JScript] protected override function Dispose(disposing : Boolean); Releases the resources used by the System.Data.SqlClient.SqlConnection .

Description

Releases the unmanaged resources used by the System.Data.SqlClient.SqlConnection and optionally releases the managed resources.

This method is called by the public method and the System.Object.Finalize method. true to release both managed and unmanaged resources; false to release only unmanaged resources.

Open

[C#]	public	voi	d	Open();
[C++]	public:	sealed	void	Open();
[VB]	NotOverridable	Public	Sub	Open()
[JScript]	public	func	tion	Open();

Description

Opens a database connection with the property settings specified by the System.Data.SqlClient.SqlConnection.ConnectionString.

The **System.Data.SqlClient.SqlConnection** draws an open connection from the connection pool if one is available. Otherwise, it establishes a new connection to an instance of SQL Server.

IDb Connection. Begin Transaction

>

1							
2	[C#] IDbTransaction			ID	bConnection.Begin	Transaction();	
3	[C++]	[C++] IDbTransaction*		IDbConnection::BeginTransaction();			
4	[VB] Function BeginTransaction()			As	IDbTransaction	Implements	
5	IDbCor	nection.Begi	nTransaction				
6	[JScript	t] function ID	bConnection.BeginTra	ınsactio	on(): IDbTransaction	on;	
7]	DbConnection	on.BeginTransaction				
8							
9	[C#]	IDbTransact	ion IDbConnection.I	BeginT	ransaction(Isolation	Level iso);	
10	[C++] IDbTransaction* IDbConnection::BeginTransaction(IsolationLevel iso);						
11	[VB] Function BeginTransaction(ByVal iso As IsolationLevel) As IDbTransaction						
12	Implements IDbConnection.BeginTransaction						
13	[JScript] function IDbConnection.BeginTransaction(iso : IsolationLevel) :						
14	IDbTransaction;						
15	IDbConnection.CreateCommand						
16							
17	[C#]	II	DbCommand	IE	bConnection.Creat	eCommand();	
18	[C++]	II	ObCommand*	ID	bConnection::Creat	eCommand();	
19	[VB]	Function	CreateCommand()	As	IDbCommand	Implements	
20	IDbCor	nection.Crea	teCommand				
21	[JScript] function ID	bConnection.CreateCo	mman	d() : IDbCommand;		
22	I	Cloneable.Cl	lone				
23							
24	[C#]		object		IClone	eable.Clone();	
25	[C++]		Object*		IClone	able::Clone();	

[VB] Function Clone() As Object Implements ICloneable.Clone
[JScript] function ICloneable.Clone(): Object;
SqlDataAdapter class (System.Data.SqlClient)

ToString

5

2

3

4

6

7

8

9 10

11

13 14

16

15

17 18

19

20

21 22

23

24

5∥ [C++]

[C#]

public

SqlDataAdapter();

+] public:

SqlDataAdapter();

Description

Represents a set of data commands and a database connection which are used to fill the **System.Data.DataSet** and update a SQL Server database. This class cannot be inherited.

The System.Data.SqlClient.SqlDataAdapter , serves as a bridge between a System.Data.DataSet and SQL Server for retrieving and saving data. The System.Data.SqlClient.SqlDataAdapter provides this bridge by mapping System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) , which changes the data in the System.Data.DataSet to match the data in the data source, and System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) , which changes the data in the data source to match the data in the System.Data.DataSet , using the appropriate Transact-SQL statements against the data source.

SqlDataAdapter

Example Syntax:

ToString

[VB] Public Sub New()

[JScript] public function SqlDataAdapter(); Initializes a new instance of the

System.Data.SqlClient.SqlDataAdapter class.

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Initializes a new instance of the System.Data.SqlClient.SqlDataAdapter class.

When an instance of **System.Data.SqlClient.SqlDataAdapter** is created, the following read/write properties are set to the following initial values.

SqlDataAdapter

Example Syntax:

ToString

public SqlDataAdapter(SqlCommand selectCommand); [C#] [C++]public: SqlDataAdapter(SqlCommand* selectCommand); [VB] Public Sub New(ByVal selectCommand As SqlCommand) [JScript] public function SqlDataAdapter(selectCommand : SqlCommand);

Description

Initializes a new instance of the **System.Data.SqlClient.SqlDataAdapter** class with the specified Transact-SQL SELECT statement.

When an instance of System.Data.SqlClient.SqlDataAdapter is created, the following read/write properties are set to the following initial values. A System.Data.SqlClient.SqlCommand that is a Transact-SQL SELECT statement.

SqlDataAdapter

Example Syntax:

ToString

l

[C#] public SqlDataAdapter(string selectCommandText, SqlConnection selectConnection);

[C++] public: SqlDataAdapter(String* selectCommandText, SqlConnection* selectConnection);

[VB] Public Sub New(ByVal selectCommandText As String, ByVal selectConnection As SqlConnection)

[JScript] public function SqlDataAdapter(selectCommandText : String, selectConnection : SqlConnection);

Description

Inintializes a new instance of the System.Data.SqlClient.SqlDataAdapter class with a System.Data.SqlClient.SqlDataAdapter.SelectCommand and a System.Data.SqlClient.SqlConnection object.

This implementation of the System.Data.SqlClient.SqlDataAdapter opens and closes a System.Data.SqlClient.SqlConnection if it is not already open. This can be useful in a an application that must call the System.Data.Common.DbDataAdapter.Fill(System.Data.DataTable) method for two or more System.Data.SqlClient.SqlDataAdapter objects. If the System.Data.SqlClient.SqlConnection is already open, you must explicitly call System.Data.SqlClient.SqlConnection.Close or System.Data.SqlClient.SqlConnection.Dispose(System.Boolean) to close it.

The System.Data.SqlClient.SqlDataAdapter.SelectCommand Α System.Data.SqlClient.SqlConnection that represents the connection. 2 SqlDataAdapter 3 Example Syntax: **ToString** 5 6 selectCommandText, SqlDataAdapter(string string [C#] public 7 selectConnectionString); 8 SqlDataAdapter(String* selectCommandText, String* [C++]public: 9 selectConnectionString); 10 [VB] Public Sub New(ByVal selectCommandText As ByVal String, 11 selectConnectionString As String) 12 SqlDataAdapter(selectCommandText : [JScript] public function String, 13 selectConnectionString String); 14 15 Description 16 Initializes a new instance of the System.Data.SqlClient.SqlDataAdapter 17 class with a System.Data.SqlClient.SqlDataAdapter.SelectCommand and a 18 connection string. 19 When an instance of System.Data.SqlClient.SqlDataAdapter is created, 20 the following read/write properties are set to the following initial values. The 21 System.Data.SqlClient.SqlDataAdapter.SelectCommand . The connection 22 string. 23 AcceptChangesDuringFill 24 Container 25

DeleteCommand

ToString

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

Gets or sets a Transact-SQL statement or stored procedure to delete records from the data set.

During

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), if this property is not set and primary key information is present in the System.Data.DataSet the System.Data.SqlClient.SqlDataAdapter.DeleteCommand can be generated automatically if you set the System.Data.OleDb.OleDbDataAdapter.SelectCommand property and use the System.Data.SqlClient.SqlCommandBuilder . Then, any additional commands do the that you not set are generated by System.Data.SqlClient.SqlCommandBuilder. This generation logic requires key column information to be present in the System.Data.DataSet . For more information see.

DesignMode

Events

InsertCommand

ToString

2425

lee@hayes.psc 509-324-9256 804 MS1-864US.APP

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets or sets a Transact-SQL statement or stored procedure to insert new records into the data source.

During

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), if this property is not set and primary key information is present in the System.Data.DataSet the System.Data.SqlClient.SqlDataAdapter.InsertCommand can be generated if automatically the set you System.Data.OleDb.OleDbDataAdapter.SelectCommand property and use the System.Data.SqlClient.SqlCommandBuilder . Then, any additional commands that you do not set are generated by System.Data.SqlClient.SqlCommandBuilder . This generation logic requires key column information to be present in the System.Data.DataSet. For more information see.

MissingMappingAction
MissingSchemaAction
SelectCommand

ToString

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

25

Gets or sets a Transact-SQL statement or stored procedure used to select records in the data source.

When System.Data.SqlClient.SqlDataAdapter.SelectCommand is assigned to a previously created System.Data.SqlClient.SqlCommand , the System.Data.SqlClient.SqlCommand is not cloned. The System.Data.SqlClient.SqlDataAdapter.SelectCommand maintains a reference to the previously created System.Data.SqlClient.SqlCommand object.

Site

TableMappings

UpdateCommand

ToString

Description

Gets or sets a Transact-SQL statement or stored procedure used to update records in the data source.

During

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), if this property is not set and primary key information is present in the the System.Data.DataSet System.Data.SqlClient.SqlDataAdapter.UpdateCommand can be generated automatically if the you set System.Data.OleDb.OleDbDataAdapter.SelectCommand property and use the System.Data.SqlClient.SqlCommandBuilder. Then, any additional commands the that you do not set generated by are

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

System.Data.SqlClient.SqlCommandBuilder. This generation logic requires key column information to be present in the System.Data.DataSet . For more information see. **ToString** Description during Occurs System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) after a command is executed against the data source. The attempt to update is made, so the event fires. When using System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), there are two events that occur per data row updated. The order of execution is as follows: The values in the System.Data.DataRow are moved to the parameter values. **ToString** public SqlRowUpdatingEventHandler RowUpdating; [C#] event SqlRowUpdatingEventHandler* [C++]RowUpdating; public: event Public RowUpdating SqlRowUpdatingEventHandler [VB] **Event** As Description

23

24

25

22

Occurs during

System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) before a

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

command is executed against the data source. The attempt to update is made, so the event fires.

When using System.Data.Common.DbDataAdapter.Update(System.Data.DataSet), there are two events that occur per data row updated. The order of execution is as follows: The values in the System.Data.DataRow are moved to the parameter values.

CreateRowUpdatedEvent

[C#] override RowUpdatedEventArgs protected CreateRowUpdatedEvent(DataRow dataRow, **IDbCommand** command, StatementType statementType, DataTableMapping tableMapping); [C++] protected: RowUpdatedEventArgs* CreateRowUpdatedEvent(DataRow* dataRow, IDbCommand* command, StatementType statementType, DataTableMapping* tableMapping); [VB] Overrides Protected Function CreateRowUpdatedEvent(ByVal dataRow As DataRow, ByVal command As IDbCommand, ByVal statementType As StatementType, ByVal tableMapping As DataTableMapping) As RowUpdatedEventArgs [JScript] protected override function CreateRowUpdatedEvent(dataRow: DataRow, command: IDbCommand, statementType : StatementType, RowUpdatedEventArgs; tableMapping DataTableMapping) Description

CreateRowUpdatingEvent

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

[C#]	protected	override		RowUj	pdatingEventA	Args
CreateRowU	pdatingEvent(Data	Row dataRo	ow, I	DbComma	and comma	and,
StatementTy	pe statementT	ype, Data	TableM	apping	tableMappi	ng);
[C++] protect	cted: RowUpdating	EventArgs* C	reateRo	wUpdating	gEvent(DataR	ow*
dataRow,	IDbCommand*	command,	Statem	nentType	statementT	уре,
DataTableMa	apping*				tableMappi	ng);
[VB] Overrio	des Protected Funct	tion CreateRow	vUpdatir	ngEvent(B	yVal dataRow	/ As
DataRow, I	ByVal command	As IDbCom	mand,	ByVal st	atementType	As
StatementTy	pe, ByVal ta	bleMapping	As	DataTable	eMapping)	As
RowUpdatin	gEventArgs					
[JScript] pr	otected override	function Cre	eateRow	/UpdatingF	Event(dataRov	v :
DataRow,	command : ID	Command,	statemer	ntType :	StatementT	ype,
tableMapping	g : DataT	ableMapping)	:	RowUp	datingEventA	.rgs;

Description

The following example fills a **System.Data.DataSet** with the schema only, while filling a **System.Data.DataTable** with records, when provided a source table.

Dispose

Dispose(bool disposing); [C#] void protected override protected: void Dispose(bool disposing); [C++]Overrides Protected Sub Dispose(ByVal disposing [VB] As Boolean) [JScript] protected override function Dispose(disposing : Boolean); Releases the

lee@hayes # \$59-324-9356 809 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

resources System.Data.SqlClient.SqlDataAdapter used by the Description the Releases unmanaged used resources System.Data.SqlClient.SqlDataAdapter and optionally releases the managed resources. method This is called public method by the System.Object.Finalize method. true to release both managed and unmanaged resources; false to release only unmanaged resources. OnRowUpdated [C#] protected override void OnRowUpdated(RowUpdatedEventArgs value); [C++]protected: void OnRowUpdated(RowUpdatedEventArgs* [VB] **Overrides** Protected Sub OnRowUpdated(ByVal RowUpdatedEventArgs) override function [JScript] protected OnRowUpdated(value RowUpdatedEventArgs); Description Raises the System.Data.SqlClient.SqlDataAdapter.RowUpdated event. Raising an event invokes the event handler through a delegate. For more information, see . A System.Data.SqlClient.SqlRowUpdatedEventArgs that

OnRowUpdating

lee @hayes ptc 509-324-9256

contains the event data.

810

the

the

As

by

and

value

1	
2	[C#] protected override void OnRowUpdating(RowUpdatingEventArgs value);
3	[C++] protected: void OnRowUpdating(RowUpdatingEventArgs* value);
4	[VB] Overrides Protected Sub OnRowUpdating(ByVal value As
5	RowUpdatingEventArgs)
6	[JScript] protected override function OnRowUpdating(value :
7	RowUpdatingEventArgs);
8	
9	Description
10	Raises the System.Data.SqlClient.SqlDataAdapter.RowUpdating event.
11	Raising an event invokes the event handler through a delegate. For more
12	information, see . A System.Data.SqlClient.SqlRowUpdatingEventArgs that
13	contains the event data.
14	ICloneable.Clone
15	
16	[C#] object ICloneable.Clone();
17	[C++] Object* ICloneable::Clone();
18	[VB] Function Clone() As Object Implements ICloneable.Clone
19	[JScript] function ICloneable.Clone(): Object;
20	SqlDataReader class (System.Data.SqlClient)
21	Update
22	
23	
24	Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Provides a means of reading a forward-only stream of rows from a SQL Server database. This class cannot be inherited.

To create a **System.Data.SqlClient.SqlDataReader**, you must call the **System.Data.SqlClient.SqlCommand.ExecuteReader** method of the **System.Data.SqlClient.SqlCommand** object, rather than directly using a constructor.

Depth

Update

[C#] public int Depth {get;} public: [C++]property int get Depth(); [VB] Public ReadOnly **Property** Depth \cdot As Integer [JScript] public function Depth() int; get

Description

Gets a value indicating the depth of nesting for the current row.

The outermost table has a depth of zero. The SQL Server .NET Data Provider does not support nesting and always returns zero.

FieldCount

Update

public FieldCount [C#] int {get;} public: get FieldCount(); [C++]property int [VB] Public ReadOnly Property FieldCount As Integer [JScript] public function FieldCount() get : int;

Description 2 Gets the number of columns in the current row. 3 After executing a query that does not return rows (for example, using the 4 System.Data.SqlClient.SqlCommand.ExecuteNonQuery method), 5 System.Data.SqlClient.SqlDataReader.FieldCount returns -1. 6 **IsClosed** 7 Update 8 9 **IsClosed** [C#] public bool {get;} 10 public: get IsClosed(); [C++]property bool 11 [VB] Public ReadOnly **Property IsClosed** As Boolean 12 [JScript] public function IsClosed() Boolean; get 13 14 Description 15 Gets a value indicating whether the data reader is closed. 16 System.Data.SqlClient.SqlDataReader.IsClosed and 17 System.Data.SqlClient.SqlDataReader.RecordsAffected are the only properties 18 that you can call after the System.Data.SqlClient.SqlDataReader is closed. 19 Item 20 Update 21 22 public this[string {get;} [C#] object name 23 Object* get Item(String* public: property name); [C++]24 [VB] Public Default ReadOnly Property Item(ByVal name As String) As Object

[JScript] SqlDataReaderObject.Item(name); returnValue 2 Description 3 Gets the value of the specified column in its native format given the column 4 name. The column name. 5 Item 6 Update 7 8 this[int public object i] {get;} [C#] 9 [C++]public: property Object* get Item(int i); 10 [VB] Public Default ReadOnly Property Item(ByVal i As Integer) As Object 11 [JScript] returnValue = SqlDataReaderObject.Item(i); Gets the value of a column 12 its native format. in 13 14 Description 15 Gets the value of the specified column in its native format given the column 16 ordinal. The zero-based column ordinal. 17 RecordsAffected 18 Update 19 20 public RecordsAffected [C#] int {get;} 21 [C++]public: get RecordsAffected(); property int 22 [VB] RecordsAffected Public ReadOnly Property As Integer 23 [JScript] public function RecordsAffected() int; get 24 25

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets the number of rows changed, inserted, or deleted by execution of the Transact-SQL statement.

The System.Data.SqlClient.SqlDataReader.RecordsAffected property is not set until all rows are read and you close the System.Data.SqlClient.SqlDataReader.

Close

[C#] public void Close(); [C++]public: sealed void Close(); [VB] NotOverridable **Public** Sub Close() [JScript] public function Close();

Description

Closes the System.Data.SqlClient.SqlDataReader object.

You must explicitly call the **System.Data.SqlClient.SqlDataReader.Close** method when you are through using the **System.Data.SqlClient.SqlDataReader** to use the associated **System.Data.SqlClient.SqlConnection** for any other purpose.

GetBoolean

[C#] public bool GetBoolean(int i);
[C++] public: __sealed bool GetBoolean(int i);
[VB] NotOverridable Public Function GetBoolean(ByVal i As Integer) As

1	
1	Boolean
2	[JScript] public function GetBoolean(i : int) : Boolean;
3	
4	Description
5	Gets the value of the specified column as a boolean.
6	Return Value: The value of the column.
7	No conversions are performed, therefore the data retrieved must already be
8	a boolean or an exception is generated. The zero-based column ordinal.
9	GetByte
10	
11	[C#] public byte GetByte(int i);
12	[C++] public:sealed unsigned char GetByte(int i);
13	[VB] NotOverridable Public Function GetByte(ByVal i As Integer) As Byte
14	[JScript] public function GetByte(i : int) : Byte;
15	
16	Description
17	Gets the value of the specified column as a byte.
18	Return Value: The value of the specified column as a byte.
19	No conversions are performed, therefore the data retrieved must already be
20	a byte. The zero-based column ordinal.
21	GetBytes
22	
23	[C#] public long GetBytes(int i, long dataIndex, byte[] buffer, int bufferIndex, int
24	length);
25	[C++] public:sealedint64 GetBytes(int i,int64 dataIndex, unsigned char

buffer int gc[], bufferIndex, int length); [VB] NotOverridable Public Function GetBytes(ByVal i As Integer, ByVal dataIndex As Long, ByVal buffer() As Byte, ByVal bufferIndex As Integer, ByVal length As Integer) As Long [JScript] public function GetBytes(i : int, dataIndex : long, buffer : Byte[], bufferIndex int, length int) long;

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Reads a stream of bytes from the specified column offset into the buffer an array starting at the given buffer offset.

Return Value: The actual number of bytes read.

The actual number of bytes read can be less than the requested length, if the end of the row is reached. If you pass a buffer that is **null**, **System.Data.SqlClient.SqlDataReader.GetBytes(System.Int32,System.Int64,System.Int32,System.Int32,System.Int32)** returns the length of the row in bytes. The zero-based column ordinal. The index within the field from which to begin the read operation. The buffer into which to read the stream of bytes. The index for buffer to begin the read operation. The maximum length to copy into the buffer.

GetChar

GetChar(int [C#] public char i); [C++]public: sealed wchar t GetChar(int i); [VB] NotOverridable Public Function GetChar(ByVal i As Integer) As Char function GetChar(i [JScript] public int) Char;

lee@hayes pt 509-324-9256 817 MS1-864US.APP

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the value of the specified column as a single character.

Return Value: The value of the specified column.

No conversions are performed, therefore the data retrieved must already be a character. The zero-based column ordinal.

GetChars

[C#] public long GetChars(int i, long dataIndex, char[] buffer, int bufferIndex, int length);

[C++] public: sealed int64 GetChars(int i, int64 dataIndex, wchar t buffer bufferIndex, gc[], int int length); [VB] NotOverridable Public Function GetChars(ByVal i As Integer, ByVal dataIndex As Long, ByVal buffer() As Char, ByVal bufferIndex As Integer, ByVal length As Integer) As Long [JScript] public function GetChars(i : int, dataIndex : long, buffer : Char[], bufferIndex length int) int, long;

Description

Reads a stream of characters from the specified column offset into the buffer as an array starting at the given buffer offset.

Return Value: The actual number of characters read.

The actual number of characters read can be less than the requested length, if the end of the field is reached. If you pass a buffer that is null, System.Data.SqlClient.SqlDataReader.GetChars(System.Int32,System.Int64,

3

4

5

6

7

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Char[], System.Int32, System.Int32) returns the length of the field in characters. The zero-based column ordinal. The index within the row from which to begin the read operation. The buffer into which to copy data. The index for buffer to begin the read operation. The number of characters to read. GetData public **IDataReader** GetData(int [C#] i); IDataReader* GetData(int [C++]public: sealed i); [VB] NotOverridable Public Function GetData(ByVal i As Integer) **IDataReader** IDataReader; [JScript] public function GetData(i int) Description Not currently supported. The zero-based column ordinal. GetDataTypeName [C#] public string GetDataTypeName(int i); [C++]public: sealed String* GetDataTypeName(int i); [VB] NotOverridable Public Function GetDataTypeName(ByVal i As Integer) As String [JScript] public function GetDataTypeName(i int) String; Description

lee@hayes_pic 509-124-936 819 MS1-864US.APP

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Description

Gets the of the name source data type. Return Value: The name of the back-end data type. The zero-based column ordinal. GetDateTime GetDateTime(int public DateTime [C#] i); GetDateTime(int [C++]public: sealed **DateTime** i); [VB] NotOverridable Public Function GetDateTime(ByVal i As Integer) As DateTime [JScript] public function GetDateTime(i DateTime; int) Description Gets the value of the specified column as a System.DateTime object. Return Value: The value of the specified column. No conversions are performed, therefore the data retrieved must already be a System.DateTime object. The zero-based column ordinal. GetDecimal decimal GetDecimal(int [C#] public i); public: sealed Decimal GetDecimal(int [C++]i); [VB] NotOverridable Public Function GetDecimal(ByVal i As Integer) As Decimal function GetDecimal(i Decimal: [JScript] public int)

lee ⊗hayes pt 509-324-9356 820 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the value of the specified column as a System.Decimal object.

Return Value: The value of the specified column.

No conversions are performed, therefore the data retrieved must already be a **System.Decimal** object. The zero-based column ordinal.

GetDouble

double GetDouble(int public [C#] i); [C++]public: sealed double GetDouble(int i); [VB] NotOverridable Public Function GetDouble(ByVal i As Integer) As Double [JScript] public function GetDouble(i int) double;

Description

Gets the value of the specified column as a double-precision floating point number.

Return Value: The value of the specified column.

No conversions are performed, therefore the data retrieved must already be a double-precision floating point number. The zero-based column ordinal.

GetFieldType

public GetFieldType(int [C#] Type i); GetFieldType(int [C++]public: sealed Type* i); [VB] NotOverridable Public Function GetFieldType(ByVal i As Integer) As Type GetFieldType(i [JScript] public function int) Type;

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

the System. Type that is the data type of the object. Return Value: The System. Type that is the data type of the object. The zero-based column ordinal. GetFloat [C#] public float GetFloat(int i); public: sealed float GetFloat(int [C++]i); [VB] NotOverridable Public Function GetFloat(ByVal i As Integer) As Single public function GetFloat(i [JScript] int) float: Description Gets the value of the specified column as a single-precision floating point number. Return Value: The value of the specified column. No conversions are performed, therefore the data retrieved must already be a single-precision floating point number. The zero-based column ordinal. GetGuid GetGuid(int Guid [C#] public i); public: sealed Guid [C++]GetGuid(int i); [VB] NotOverridable Public Function GetGuid(ByVal i As Integer) As Guid public function GetGuid(i Guid; [JScript] int) Description

Gets the value of the specified column as a globally-unique identifier (GUID). 2 Return Value: The value of the specified column. 3 No conversions are performed, therefore the data retrieved must already be 4 a guid. The zero-based column ordinal. 5 GetInt16 6 7 GetInt16(int [C#] public short i); 8 [C++]public: sealed short GetInt16(int i); 9 [VB] NotOverridable Public Function GetInt16(ByVal i As Integer) As Short 10 public function GetInt16(i [JScript] int) Int16; 11 12 Description 13 Gets the value of the specified column as a 16-bit signed integer. 14 Return Value: The value of the specified column. 15 No conversions are performed, therefore the data retrieved must already be 16 a 16-bit signed integer. The zero-based column ordinal. 17 GetInt32 18 19 public GetInt32(int int [C#] i); 20 public: sealed int GetInt32(int [C++]i); 21 [VB] NotOverridable Public Function GetInt32(ByVal i As Integer) As Integer 22 public function GetInt32(i [JScript] int) int; 23 24 Description 25

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Description

Gets the value of the specified column as a 32-bit signed integer. Return Value: The value of the specified column. No conversions are performed, therefore the data retrieved must already be a 32-bit signed integer. The zero-based column ordinal. GetInt64 GetInt64(int public long [C#] i); . GetInt64(int public: sealed int64 [C++]i); [VB] NotOverridable Public Function GetInt64(ByVal i As Integer) As Long [JScript] public function GetInt64(i int) long; Description Gets the value of the specified column as a 64-bit signed integer. Return Value: The value of the specified column. No conversions are performed, therefore the data retrieved must already be a 64-bit signed integer. The zero-based column ordinal. GetName public GetName(int [C#] string i); public: sealed String* GetName(int [C++]i); [VB] NotOverridable Public Function GetName(ByVal i As Integer) As String [JScript] public function GetName(i int) String;

specified Gets of the the name column. Return Value: The name of the specified column. The zero-based column ordinal. 2 GetOrdinal 3 GetOrdinal(string [C#] public int name); 5 public: GetOrdinal(String* [C++] sealed int name); 6 [VB] NotOverridable Public Function GetOrdinal(ByVal name As String) As Integer 8 [JScript] public function GetOrdinal(name String) int; 9 10 Description 11 Gets the column ordinal, given the of the column. name 12 Return Value: The zero-based column ordinal. The name of the column. 13 GetSchemaTable 14 15 [C#] public DataTable GetSchemaTable(); 16 [C++]public: sealed DataTable* GetSchemaTable(); 17 [VB] NotOverridable Public Function GetSchemaTable() As DataTable 18 [JScript] public function GetSchemaTable() DataTable; 19 20 Description 21 Returns a System.Data.DataTable that describes the column metadata of 22 System.Data.SqlClient.SqlDataReader the 23 Return Value: A System.Data.DataTable that describes the column metadata. 24

lee@hayes pt 509-324-9256 825 MS1-864US.APP

For the System.Data.SqlClient.SqlDataReader.GetSchemaTable method returns metadata about each column in the following order: DataReader Column Description ColumnName The name of the column; this might not be unique. If this cannot be determined, a null value is returned. This name always reflects the most recent renaming of the column in the current view or command text.

GetSqlBinary

[C#]	public	SqlBinary	GetSqlBinary(int	i);
------	--------	-----------	------------------	-----

[VB] Public Function GetSqlBinary(ByVal i As Integer) As SqlBinary [JScript] public function GetSqlBinary(i : int) : SqlBinary;

Description

Gets the value of the specified column as a System.Data.SqlTypes.SqlBinary

Return Value: A System.Data.SqlTypes.SqlBinary . The zero-based column ordinal.

Get Sql Boolean

[C#] public SqlBoolean GetSqlBoolean(int i);

[C++] public: SqlBoolean GetSqlBoolean(int i);

[VB] Public Function GetSqlBoolean(ByVal i As Integer) As SqlBoolean [JScript] public function GetSqlBoolean(i:int): SqlBoolean;

GetSqlByte

MS1-864US.APP

[C#] public SqlByte GetSqlByte(int i);
[C++] public: SqlByte GetSqlByte(int i);
[VB] Public Function GetSqlByte(ByVal i As Integer) As SqlByte
[JScript] public function GetSqlByte(i : int) : SqlByte;
Description
Gets the value of the specified column as a
System.Data.SqlTypes.SqlByte
Return Value: A System.Data.SqlTypes.SqlByte. The zero-based column
ordinal.
GetSqlDateTime
[C#] public SqlDateTime GetSqlDateTime(int i);
[C++] public: SqlDateTime GetSqlDateTime(int i);
[VB] Public Function GetSqlDateTime(ByVal i As Integer) As SqlDateTime
[JScript] public function GetSqlDateTime(i : int) : SqlDateTime;
<u>-</u>
Description
Gets the value of the specified column as a
System.Data.SqlTypes.SqlDateTime
Return Value: A System.Data.SqlTypes.SqlDateTime. The zero-based column
ordinal.
GetSqlDecimal

1	
2	[C#] public SqlDecimal GetSqlDecimal(int i);
3	[C++] public: SqlDecimal GetSqlDecimal(int i);
4	[VB] Public Function GetSqlDecimal(ByVal i As Integer) As SqlDecimal
5	[JScript] public function GetSqlDecimal(i : int) : SqlDecimal;
6	
7	Description
8	Gets the value of the specified column as a
9	System.Data.SqlTypes.SqlDecimal .
10	Return Value: A System.Data.SqlTypes.SqlDecimal. The zero-based column
11	ordinal.
12	GetSqlDouble
13	
- 11	
14	[C#] public SqlDouble GetSqlDouble(int i);
14	[C#] public SqlDouble GetSqlDouble(int i); [C++] public: SqlDouble GetSqlDouble(int i);
15	[C++] public: SqlDouble GetSqlDouble(int i);
15 16	[C++] public: SqlDouble GetSqlDouble(int i); [VB] Public Function GetSqlDouble(ByVal i As Integer) As SqlDouble
15 16 17	[C++] public: SqlDouble GetSqlDouble(int i); [VB] Public Function GetSqlDouble(ByVal i As Integer) As SqlDouble
15 16 17	[C++] public: SqlDouble GetSqlDouble(int i); [VB] Public Function GetSqlDouble(ByVal i As Integer) As SqlDouble [JScript] public function GetSqlDouble(i : int) : SqlDouble;
15 16 17 18	[C++] public: SqlDouble GetSqlDouble(int i); [VB] Public Function GetSqlDouble(ByVal i As Integer) As SqlDouble [JScript] public function GetSqlDouble(i : int) : SqlDouble; Description
15 16 17 18 19 20	[C++] public: SqlDouble GetSqlDouble(int i); [VB] Public Function GetSqlDouble(ByVal i As Integer) As SqlDouble [JScript] public function GetSqlDouble(i : int) : SqlDouble; Description Gets the value of the specified column as a
15 16 17 18 19 20 21	[C++] public: SqlDouble GetSqlDouble(int i); [VB] Public Function GetSqlDouble(ByVal i As Integer) As SqlDouble [JScript] public function GetSqlDouble(i : int) : SqlDouble; Description Gets the value of the specified column as a System.Data.SqlTypes.SqlDouble
15 16 17 18 19 20 21 22	[C++] public: SqlDouble GetSqlDouble(int i); [VB] Public Function GetSqlDouble(ByVal i As Integer) As SqlDouble [JScript] public function GetSqlDouble(i : int) : SqlDouble; Description Gets the value of the specified column as a System.Data.SqlTypes.SqlDouble Return Value: A System.Data.SqlTypes.SqlDouble . The zero-based column

1	
2	[C#] public SqlGuid GetSqlGuid(int i);
3	[C++] public: SqlGuid GetSqlGuid(int i);
4	[VB] Public Function GetSqlGuid(ByVal i As Integer) As SqlGuid
5	[JScript] public function GetSqlGuid(i : int) : SqlGuid;
6	
7	Description
8	Gets the value of the specified column as a
9	System.Data.SqlTypes.SqlGuid
10	Return Value: A System.Data.SqlTypes.SqlGuid . The zero-based column
11	ordinal.
12	GetSqlInt16
13	
14	[C#] public SqlInt16 GetSqlInt16(int i);
15	[C++] public: SqlInt16 GetSqlInt16(int i);
16	[VB] Public Function GetSqlInt16(ByVal i As Integer) As SqlInt16
17	[JScript] public function GetSqlInt16(i : int) : SqlInt16;
18	
19	Description
20	Gets the value of the specified column as a
21	System.Data.SqlTypes.SqlInt16
22	Return Value: A System.Data.SqlTypes.SqlInt16. The zero-based column
23	ordinal.
24	GetSqlInt32

1	
2	[C#] public SqlInt32 GetSqlInt32(int i);
3	[C++] public: SqlInt32 GetSqlInt32(int i);
4	[VB] Public Function GetSqlInt32(ByVal i As Integer) As SqlInt32
5	[JScript] public function GetSqlInt32(i : int) : SqlInt32;
6	
7	Description
8	Gets the value of the specified column as a
9	System.Data.SqlTypes.SqlInt32
10	Return Value: A System.Data.SqlTypes.SqlInt32. The zero-based column
11	ordinal.
12	GetSqlInt64
13	
14	[C#] public SqlInt64 GetSqlInt64(int i);
15	[C++] public: SqlInt64 GetSqlInt64(int i);
16	[VB] Public Function GetSqlInt64(ByVal i As Integer) As SqlInt64
17	[JScript] public function GetSqlInt64(i : int) : SqlInt64;
18	
19	Description
20	Gets the value of the specified column as a
21	System.Data.SqlTypes.SqlInt64
22	Return Value: A System.Data.SqlTypes.SqlInt64. The zero-based column
23	ordinal.
24	GetSqlMoney
25	

1	
2	[C#] public SqlMoney GetSqlMoney(int i);
3	[C++] public: SqlMoney GetSqlMoney(int i);
4	[VB] Public Function GetSqlMoney(ByVal i As Integer) As SqlMoney
5	[JScript] public function GetSqlMoney(i : int) : SqlMoney;
6	
7	Description
8	Gets the value of the specified column as a
9	System.Data.SqlTypes.SqlMoney .
10	Return Value: A System.Data.SqlTypes.SqlMoney. The zero-based column
11	ordinal.
12	GetSqlSingle
13	
14	[C#] public SqlSingle GetSqlSingle(int i);
15	[C++] public: SqlSingle GetSqlSingle(int i);
13	f [C++] public. SqiSingic GetsqiSingic(int 1),
16	[VB] Public Function GetSqlSingle(ByVal i As Integer) As SqlSingle
16	[VB] Public Function GetSqlSingle(ByVal i As Integer) As SqlSingle
16 17	[VB] Public Function GetSqlSingle(ByVal i As Integer) As SqlSingle
16 17 18	[VB] Public Function GetSqlSingle(ByVal i As Integer) As SqlSingle [JScript] public function GetSqlSingle(i : int) : SqlSingle;
16 17 18	[VB] Public Function GetSqlSingle(ByVal i As Integer) As SqlSingle [JScript] public function GetSqlSingle(i : int) : SqlSingle; Description
16 17 18 19 20	[VB] Public Function GetSqlSingle(ByVal i As Integer) As SqlSingle [JScript] public function GetSqlSingle(i : int) : SqlSingle; Description Gets the value of the specified column as a
16 17 18 19 20 21	[VB] Public Function GetSqlSingle(ByVal i As Integer) As SqlSingle [JScript] public function GetSqlSingle(i : int) : SqlSingle; Description Gets the value of the specified column as a System.Data.SqlTypes.SqlSingle
16 17 18 19 20 21	[VB] Public Function GetSqlSingle(ByVal i As Integer) As SqlSingle [JScript] public function GetSqlSingle(i : int) : SqlSingle; Description Gets the value of the specified column as a System.Data.SqlTypes.SqlSingle Return Value: A System.Data.SqlTypes.SqlSingle . The zero-based column

[C#]	public	Sq	lString		Get	SqlString(int	i);
[C++]	public:	S	qlString		Get	tSqlString	(int	i);
[VB] Public	Function	GetSqlS	tring(ByVal	i	As	Integer)	As	SqlString
[JScript] pu	ıblic fur	nction	GetSqlString	g(i	:	int)	:	SqlString;
Description								
Gets	the va	ılue o	f the	spe	cifie	d colu	mn	as a
System.Data.S	qlTypes.So	qlString						
Return Value:	A System	n.Data.So	qlTypes.SqlS	Strii	ng .	The zero	o-bas	ed column
ordinal.		•						
GetSqlV	⁷ alue							
[C#]	public	o	bject		GetS	SqlValue(i	nt	i);
[C++]	public:	(Object*		Get	:SqlValue(int	i);
[VB] Public	Function	GetSql	Value(ByVal	i	As	s Integer	() A	As Object
[JScript] po	ublic fu	nction	GetSqlValı	ue(i	:	int)	:	Object;
Description								
Gets ar	1 System.	Object t	hat is a re	epre	senta	ation of	the	underlying
System.Data.S	qlDbType	Variant						
Return Value:	An Syste	m.Objec	t that is a	repi	resen	tation of	the	underlying
System.Data.S	qlDbType	Variant .						
System.	Data.SqlC	lient.Sql I	DataReader.	Get	SqlV	alue(Syst	em.I	nt32)
returns data us	ing the nat	tive SQL	Server types	s. T	o ret	rieve data	usir	ng the .Net

Framework types, see 1 System.Data.SqlClient.SqlDataReader.GetValue(System.Int32) . The zero-2 based column ordinal. 3 GetSqlValues 4 5 [C#] public int GetSqlValues(object[] values); 6 public: GetSqlValues(Object* [C++]int values __gc[]); 7 [VB] Public Function GetSqlValues(ByVal values() As Object) As Integer 8 [JScript] public function GetSqlValues(values Object[]) int; 9 10 Description 11 Gets all the attribute columns in the current row. 12 Return Value: The number of instances of System. Object in the array. 13 For applications, the most 14 System.Data.SqlClient.SqlDataReader.GetValues(System.Object[]) method 15 provides an efficient means for retrieving all columns, rather than retrieving each 16 column individually. An array of System.Object to copy the attribute columns 17 into. 18 GetString 19 20 GetString(int [C#] public string i); 21 public: sealed String* GetString(int [C++]i); 22 [VB] NotOverridable Public Function GetString(ByVal i As Integer) As String 23 public function GetString(i [JScript] int) String; 24 25

Description 2 Gets the value of the specified column string. as 3 Return Value: The value of the specified column. 4 No conversions are performed, therefore the data retrieved must already be 5 a string. The zero-based column ordinal. 6 GetValue 7 8 GetValue(int public object i); [C#] 9 [C++]public: sealed Object* GetValue(int i); 10 [VB] NotOverridable Public Function GetValue(ByVal i As Integer) As Object 11 GetValue(i [JScript] public function int) Object; 12 13 Description 14 Gets the value of the specified column in its native format. 15 System.Data.SqlClient.SqlDataReader.GetValue(System.Int32) returns 16 data using the .NET Framework types. The zero-based column ordinal. 17 **GetValues** 18 19 GetValues(object[] public values); [C#] int 20 GetValues(Object* values [C++]public: sealed int gc[]); 21 [VB] NotOverridable Public Function GetValues(ByVal values() As Object) As 22 Integer 23 public function GetValues(values Object[]) [JScript] int; 24

lee@hayes ptc 509-324-9256 834 MSI-864US-APP

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets all attribute columns in the collection for the current row.

Return Value: The number of instances of System.Object in the array.

For most applications, this method provides an efficient means for retrieving all columns, rather than retrieving each column individually. An array of **System.Object** into which to copy the attribute columns.

IsDBNull

[C#] public bool IsDBNull(int i); public: sealed IsDBNull(int [C++]bool i); [VB] NotOverridable Public Function IsDBNull(ByVal i As Integer) As Boolean [JScript] public function IsDBNull(i int) Boolean;

Description

Gets a value indicating whether the column contains non-existant or missing values.

Return Value: true if the specified column value is equivalent to System.DBNull; otherwise, false. The zero-based column ordinal.

NextResult

public NextResult(); bool [C#] public: sealed NextResult(); [C++]bool NotOverridable **Public Function** NextResult() Boolean [VB] As [JScript] public function NextResult() Boolean;

lee@hayes pt 509-324-9256 835 MS1-864US.APP

[C++]

[VB]

Function

24

Description 2 Advances the data reader to the next result, when reading the results of 3 batch Transact-SQL statements. Return Value: true if there are more rows; otherwise, false. 5 Used to process multiple results, which can be generated by executing 6 batch Transact-SQL statements. 7 Read 8 9 [C#] public bool Read(); 10 [C++]public: sealed bool Read(); 11 [VB] NotOverridable **Public** Function Boolean Read() As 12 [JScript] public function Read() Boolean; 13 14 Description 15 Advances the System.Data.SqlClient.SqlDataReader to the next record. 16 Return Value: true if there are more rows; otherwise, false. 17 The default position of the System.Data.SqlClient.SqlDataReader is prior 18 Therefore, the first record. call to you must 19 System.Data.SqlClient.SqlDataReader.Read to begin accessing any data. 20 IEnumerable.GetEnumerator 21 22 IEnumerable.GetEnumerator(); [C#] **IEnumerator** 23

lee@hayes.ps. 579-324-9256 836 MS1-864US.APP

As

IEnumerable::GetEnumerator();

IEnumerator

Implements

IEnumerator*

GetEnumerator()

```
IEnumerable.GetEnumerator
    [JScript] function IEnumerable.GetEnumerator(): IEnumerator;
2
           IDisposable.Dispose
3
                                                              IDisposable.Dispose();
                                 void
    [C#]
5
    [C++]
                                 void
                                                             IDisposable::Dispose();
6
                            Dispose()
                                             Implements
    [VB]
                 Sub
                                                                IDisposable.Dispose
7
    [JScript] function IDisposable.Dispose();
8
           SQLDebugging class (System.Data.SqlClient)
9
           ToString
10
11
12
    Description
13
           Included to support debugging applications. Not intended for direct use.
14
           SQLDebugging
15
          Example Syntax:
16
           ToString
17
18
                                  public
                                                                  SQLDebugging();
    [C#]
19
    [C++]
                                   public:
                                                                  SQLDebugging();
20
    [VB]
                                                      Sub
                            Public
                                                                              New()
21
    [JScript] public function SQLDebugging();
22
          ISQLDebug.SQLDebug
23
24
    [C#] bool ISQLDebug.SQLDebug(int dwpidDebugger, int dwpidDebuggee, string
```

pszMachineName, string pszSDIDLLName, int dwOption, int cbData, byte[]
rgbData);
[C++] bool ISQLDebug::SQLDebug(int dwpidDebugger, int dwpidDebuggee,
String* pszMachineName, String* pszSDIDLLName, int dwOption, int cbData,
unsigned char rgbDatagc[]);
[VB] Function SQLDebug(ByVal dwpidDebugger As Integer, ByVal
dwpidDebuggee As Integer, ByVal pszMachineName As String, ByVal
pszSDIDLLName As String, ByVal dwOption As Integer, ByVal cbData As
Integer, ByVal rgbData() As Byte) As Boolean Implements
ISQLDebug.SQLDebug
[JScript] function ISQLDebug.SQLDebug(dwpidDebugger : int, dwpidDebuggee :
int, pszMachineName : String, pszSDIDLLName : String, dwOption : int, cbData :
int, rgbData : Byte[]) : Boolean;
SqlError class (System.Data.SqlClient)
ToString

Description

Collects information relevant to a warning or error returned by SQL Server.

This class cannot be inherited.

This class is created by the SQL Server .NET Data Provider when an error occurs. An instance of System.Data.SqlClient.SqlError is created and managed by the System.Data.SqlClient.SqlErrorCollection , which in turn is created by the System.Data.SqlClient.SqlException class.

Class

lee@hayes ok 509-324-9256 838 MS1-864US.APP

ToString

[C#] public byte Class {get;}

[C++] public: __property unsigned char get_Class();

[VB] Public ReadOnly Property Class As Byte

[JScript] public function get Class() : Byte;

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets the severity level of the error returned from SQL Server.

Messages with a severity level of 10 or less are informational and indicate problems caused by mistakes in information that a user has entered. Severity levels from 11 through 16 are generated by the user, and can be corrected by the user. Severity levels from 17 through 25 indicate software or hardware errors. When a level 17, 18, or 19 error occurs, you can continue working, although you might not be able to execute a particular statement.

LineNumber

ToString

 $[C\#] \hspace{1cm} public \hspace{1cm} int \hspace{1cm} LineNumber \hspace{1cm} \{get;\}$

[C++] public: __property int get_LineNumber();

[VB] Public ReadOnly Property LineNumber As Integer

[JScript] public function get LineNumber() : int;

Description

, 17

Bets the line number within the Transact-SQL command batch or stored procedure that contains the error.

Line numbering starts at 1. If the value is 0, the line number is not applicable.

Message

ToString

[C#]	public s		tring	Message		{get;}
[C++]	public:	proj	perty	String*	get_N	fessage();
[VB]	Public	ReadOnly	Property	Message	As	String
[JScript]	public	function	get	Message()	:	String;

Description

Gets the text describing the error.

Number

ToString

[C#]	públic		int	Number		{get;}
[C++]	public	:p	roperty	int	get_l	Number();
[VB]	Public	ReadOnly	Property	Number	As	Integer
[JScript]	public	function	get	Number()	:	int;

Description

Gets a number that identifies the type of error.

This number corresponds to an entry in the master.dbo.sysmessages table.

Procedure **ToString** 2 3 [C#] public string {get;} Procedure 4 public: property String* get Procedure(); [C++] 5 Public [VB] ReadOnly Property Procedure As String [JScript] public function Procedure() get String; 7 8 Description 9 Gets the name of the stored procedure or remote procedure call (RPC) that 10 generated the error. 11 Server 12 **ToString** 13 14 [C#] string {get;} public Server 15 [C++]public: property String* get Server(); 16 ReadOnly Property [VB] Public Server As String 17 public function [JScript] Server() String; get : 18 19 Description 20 Gets the name of the instance of SQL Server that generated the error. 21 Source 22 **ToString** 23 24 [C#] public string Source {get;}

1	[C++]	public:	pr	operty	String*	get_S	Source();
2	[VB]	Public	ReadOnly	Property	Source	As	String
3	[JScript]	public	function	get	Source()	:	String;
4							
5	Description	on					
6	Ge	ts the name o	f the provider	that generate	d the error.		
7	Sta	nte					
8	То	String					
9							
10	[C#]	publ	lic	byte	State		{get;}
11	[C++]	public:	propert	y unsign	ned char	get	t_State();
12	[VB]	Public	ReadOnly	Property	State	As	Byte
13	[JScript]	public	function	n get	State()	:	Byte;
14				•			
15 ⁻	Description	on					
16	Ge	ets the number	modifying th	e error to pro	vide additional	informat	ion.
17	То	String					
18							
19	[C#]	public	ov	erride	string	To	String();
20	[C++]		public:	Str	ing*	To	String();
21	[VB]	Overrides	Public	Function	ToString()	As	String
22	[JScript]	public	override	function	ToString()	:	String;
23							
24	Description	on					
25							

Gets the complete text of the error message.

Return Value: The complete text of the error.

The string is in the form "SqlError:", followed by the System.Data.SqlClient.SqlError.Message, and the stack trace. For example: SqlError:UserId or Password not valid. The following example displays each System.Data.SqlClient.SqlError within the System.Data.SqlClient.SqlErrorCollection collection.

SqlErrorCollection class (System.Data.SqlClient)
ToString

Description

Collects all errors thrown by the **System.Data.SqlClient.SqlDataAdapter**. This class cannot be inherited.

This class is created by **System.Data.SqlClient.SqlException** to collect instances of the **System.Data.SqlClient.SqlError** class.

Count

ToString

[C#]	public		int			{get;}
[C++]	public:		property		get_	_Count();
[VB]	Public	ReadOnly	Property	Count	As	Integer
[JScript]	public	function	get	Count()	:	int;

Description

Gets the number of errors in the collection. Item 2 **ToString** 3 4 this[int index] public **SqlError** {get;} [C#] 5 SqlError* [C++]public: property get Item(int index); [VB] Public Default ReadOnly Property Item(ByVal index As Integer) As 7 SqlError 8 SqlErrorCollectionObject.Item(index); [JScript] returnValue 9 10 Description 11 Gets the error at the specified index. The zero-based index of the error to 12 retrieve. 13 CopyTo 14 15 public void CopyTo(Array index); [C#] array, int 16 [C++]public: sealed void CopyTo(Array* array, int index); 17 [VB] NotOverridable Public Sub CopyTo(ByVal array As Array, ByVal index As 18 Integer) 19 public function CopyTo(array [JScript] Array, index int); 20 21 Description 22 Copies the elements of the System.Data.SqlClient.SqlErrorCollection 23 collection into an System.Array, starting at the given index within the 24 25

lee@hayes.px 509-324-9256 844 MS1-864US.APP

3

4

5

6

7

9

10

11

14

16

17

18

19

20

21

22

23

24

25

System.Array. The System.Array to copy elements into. The index from which to start copying into the array parameter. GetEnumerator [C#] public **IEnumerator** GetEnumerator(); public: sealed IEnumerator* GetEnumerator(); [C++][VB] NotOverridable Public Function GetEnumerator() As IEnumerator [JScript] public function GetEnumerator() IEnumerator; 8 Description used to support the VB For Each ... Next syntax. not explicitly called. SqlException class (System.Data.SqlClient) 12 **ToString** 13 15 Description The exception that is thrown when a warning or error is returned by SQL Server. This class cannot be inherited. This class is created whenever the SQL Server .NET Data Provider encounters a situation that it cannot handle. It always contains at least one instance of System.Data.SqlClient.SqlError. Class **ToString** [C#] public byte Class {get;}

[C++]public: unsigned property char get Class(); [VB] **Public** ReadOnly **Property** Class As Byte [JScript] public function Class() Byte; get

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the severity level of the error returned from the SQL Server .NET Data Provider.

Messages with a severity level of 10 or less are informational and indicate problems caused by mistakes in information that a user has entered. Severity levels from 11 through 16 are generated by the user, and can be corrected by the user. Severity levels from 17 through 25 indicate software or hardware errors. When a level 17, 18, or 19 error occurs, you can continue working, although you might not be able to execute a particular statement.

Errors

ToString

SqlErrorCollection [C#] public **Errors** {get;} SqlErrorCollection* [C++]public: property get Errors(); [VB] **Public** ReadOnly SqlErrorCollection **Property Errors** As [JScript] public function SqlErrorCollection; Errors() get

Description

Gets a collection of one or more **System.Data.SqlClient.SqlError** objects that give detailed information about exceptions generated by the SQL Server .NET Data Provider.

•	The System.D	ata.SqlC	lient.SqlE	CrrorColl	ection class	always co	ontains at
least or	least one instance of the System.Data.SqlClient.SqlError class.						
-	HelpLink						
	HResult						
	InnerException	n ·					
	LineNumber						
•	ToString						
Descrip	ption						
ı	Gets the line	number v	vithin the	Transact-	SQL comm	and batch	or stored
proced	ure that genera	ted the er	ror.				
	The line numb	ering star	ts at 1; if (the line i	number is no	t applicabl	e.
	Message						
	ToString						
[C#]	public	ove	erride	string	g Mes	ssage	{get;}
[C++]	public:	pro	perty	virtual	String*	get_N	1essage();
[VB]	Overrides	Public	ReadOnl	y Prop	erty Mess	sage As	String
[JScrip	t] public	fun	ction	get	Message()	:	String;
Descrip	otion				•		
!	Gets the text d	escribing	the error.				

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

This is a wrapper for the System.Data.SqlClient.SqlError.Message System.Data.SqlClient.SqlError in property of the first the System.Data.SqlClient.SqlException.Errors property. Number **ToString** public {get;} Number [C#] int

get Number(); [C++] public: int __property [VB] Public ReadOnly Number Integer **Property** As Number() function [JScript] public get int;

Description

Gets a number that identifies the type of error.

This number corresponds to an entry in the master.dbo.sysmessages table.

Procedure

ToString

public [C#] string Procedure {get;} String* [C++]public: get Procedure(); __property **Property** [VB] **Public** ReadOnly Procedure String As function Procedure() [JScript] public String; get

Description

Gets the name of the stored procedure or remote procedure call (RPC) that generated the error.

This is a wrapper for the **System.Data.SqlClient.SqlError.Procedure** property of the first **System.Data.SqlClient.SqlError** in the **System.Data.SqlClient.SqlException.Errors** property.

Server

1

2

3

4

5

6

7

8

9

10

11

12

1.3

14

15

16

17

18

19

20

21

22

23

24

25

lee@hayes øk 509-324-9256

ToString

{get;} public string Server [C#] public: String* get Server(); [C++]property Public ReadOnly [VB] Property Server As String [JScript] public function get Server() String;

Description

Gets the name of the computer running an instance of SQL Server that generated the error.

This is a wrapper for the System.Data.SqlClient.SqlError.Server property of the first System.Data.SqlClient.SqlError in the System.Data.SqlClient.SqlException.Errors property.

Source

ToString

[C#] public override string Source {get;} virtual String* [C++]public: get Source(); property ReadOnly Overrides Public [VB] Property Source As String [JScript] public function Source() get : String;

849 ms1-864US.APP

Description Gets

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the name of the provider that generated the error.

This is a wrapper for the **System.Data.SqlClient.SqlError.Source** property of the first **System.Data.SqlClient.SqlError** in the **System.Data.SqlClient.SqlException.Errors** property.

StackTrace

State

ToString

Description

Gets the number modifying the error to provide additional information.

This is a wrapper for the **System.Data.SqlClient.SqlError.State** property of the first **System.Data.SqlClient.SqlError** in the **System.Data.SqlClient.SqlException.Errors** property.

TargetSite

ISerializable.GetObjectData

[C#] void ISerializable.GetObjectData(SerializationInfo si, StreamingContext context);

[C++] void ISerializable::GetObjectData(SerializationInfo* si, StreamingContext context);

[VB] Sub GetObjectData(ByVal si As SerializationInfo, ByVal context As StreamingContext) Implements ISerializable.GetObjectData

1	[IScript] function ISerializable.GetObjectData(si : SerializationInfo, context :
2	StreamingContext);
3	SqlInfoMessageEventArgs class (System.Data.SqlClient)
4	ToString
5	
6	
7	Description
8	Provides data for the System.Data.SqlClient.SqlConnection.InfoMessage
9	event. This class cannot be inherited.
10	The System.Data.SqlClient.SqlConnection.InfoMessage event contains a
11	System.Data.SqlClient.SqlErrorCollection collection which contains the
12	warnings sent from the server.
13	Errors
14	ToString
15	
16	[C#] public SqlErrorCollection Errors {get;}
17	[C++] public:property SqlErrorCollection* get_Errors();
18	[VB] Public ReadOnly Property Errors As SqlErrorCollection
19	[JScript] public function get Errors() : SqlErrorCollection;
20	
21	Description
22	Gets the collection of warnings sent from the server.
23	SqlInfoMessageEventHandler delegate (System.Data.SqlClient)
24	ToString
25	

Represents the method that will handle the System.Data.SqlClient.SqlConnection.InfoMessage event of a System.Data.SqlClient.SqlConnection . The source of the event. A System.Data.SqlClient.SqlInfoMessageEventArgs object that contains the event data.

When you create a **System.Data.SqlClient.SqlInfoMessageEventArgs** delegate, you identify the method that will handle the event. To associate the event with your event handler, add an instance of the delegate to the event. The event handler is called whenever the event occurs, unless you remove the delegate. For more information about event handler delegates, see .

SqlParameter class (System.Data.SqlClient)

ToString

Description

Represents a parameter to a **System.Data.SqlClient.SqlCommand**, and optionally, its mapping to **System.Data.DataSet** columns. This class cannot be inherited.

Parameter names are not case sensitive.

SqlParameter

Example Syntax:

ToString

lee@hayes # 509-324-9256 852 MS1-864US-APP

[C#]	public		SqlParameter();
[C++]	public:		SqlParameter();
[VB]	Public	Sub	New()
[JScript] public	function SqlParameter();	Initializes a new	instance of the
System.Data.Sql	Client.SqlParameter		class.

Initializes a new instance of the System.Data.SqlClient.SqlParameter class.

SqlParameter

Example Syntax:

ToString

[C#] public SqlParameter(string parameterName, object value);
[C++] public: SqlParameter(String* parameterName, Object* value);
[VB] Public Sub New(ByVal parameterName As String, ByVal value As Object)
[JScript] public function SqlParameter(parameterName : String, value : Object);

Description

Initializes a new instance of the System.Data.SqlClient.SqlParameter class with the parameter name and a System.Data.SqlClient.SqlParameter object. The name of the parameter to map. An System.Object that is the value of the System.Data.SqlClient.SqlParameter.

SqlParameter

Example Syntax:

ToString

[C#] public SqlParameter(string parameterName, SqlDbType dbType); [C++] public: SqlParameter(String* parameterName, SqlDbType dbType); [VB] Public Sub New(ByVal parameterName As String, ByVal dbType As SqlDbType)

[JScript] public function SqlParameter(parameterName : String, dbType : SqlDbType);

Description

Initializes a new instance of the **System.Data.SqlClient.SqlParameter** class with the parameter name and the data type.

The data type, and if appropriate, System.Data.OleDb.OleDbParameter.Size and System.Data.OleDb.OleDbParameter.Precision are inferred from the value of the dbType parameter. The name of the parameter to map. One of the System.Data.SqlDbType values.

SqlParameter

Example Syntax:

ToString

[C#] public SqlParameter(string parameterName, SqlDbType dbType, int size); [C++] public: SqlParameter(String* parameterName, SqlDbType dbType, int size);

[VB] Public Sub New(ByVal parameterName As String, ByVal dbType As SqlDbType, ByVal size As Integer)

[JScript] public function SqlParameter(parameterName : String, dbType : SqlDbType, size : int);

Description

Initializes a new instance of the System.Data.SqlClient.SqlParameter class with the parameter name, the System.Data.SqlDbType, and the size.

The **System.Data.OleDb.OleDbParameter.Size** is inferred from the value of the *dbType* parameter if it is not explicitly set in the *size* parameter. The name of the parameter to map. One of the **System.Data.SqlDbType** values. The width of the parameter.

SqlParameter

Example Syntax:

ToString

[C#] public SqlParameter(string parameterName, SqlDbType dbType, int size, string sourceColumn);
[C++] public: SqlParameter(String* parameterName, SqlDbType dbType, int size, String* sourceColumn);
[VB] Public Sub New(ByVal parameterName As String, ByVal dbType As SqlDbType, ByVal size As Integer, ByVal sourceColumn As String)
[JScript] public function SqlParameter(parameterName : String, dbType : SqlDbType, size : int, sourceColumn : String);

Initializes a new instance of the System.Data.SqlClient.SqlParameter class with the parameter name, the System.Data.SqlDbType, the size, the source column name, and a System.Data.DataRowVersion to use.

The **System.Data.OleDb.OleDbParameter.Size** is inferred from the value of the *dbType* parameter if it is not explicitly set in the *size* parameter. The name of the parameter to map. One of the **System.Data.SqlDbType** values. The width of the parameter. The name of the source column.

SqlParameter

Example Syntax:

ToString

[C#] public SqlParameter(string parameterName, SqlDbType dbType, int size, ParameterDirection direction, bool isNullable, byte precision, byte scale, string sourceColumn, DataRowVersion sourceVersion, object value); [C++] public: SqlParameter(String* parameterName, SqlDbType dbType, int size, ParameterDirection direction, bool isNullable, unsigned char precision, unsigned char scale, String* sourceColumn, DataRowVersion sourceVersion, Object* value);

[VB] Public Sub New(ByVal parameterName As String, ByVal dbType As SqlDbType, ByVal size As Integer, ByVal direction As ParameterDirection, ByVal isNullable As Boolean, ByVal precision As Byte, ByVal scale As Byte, ByVal sourceColumn As String, ByVal sourceVersion As DataRowVersion, ByVal value As Object)

[JScript] public function SqlParameter(parameterName : String, dbType : SqlDbType, size : int, direction : ParameterDirection, isNullable : Boolean, precision : Byte, scale : Byte, sourceColumn : String, sourceVersion : DataRowVersion, value : Object);

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

4

2

3

Description

Initializes a new instance of the System.Data.SqlClient.SqlParameter class with the parameter name, the type of the parameter, the size of the parameter, a System.Data.ParameterDirection, the precision of the parameter, the scale of the parameter, the source column, a System.Data.DataRowVersion to use, and the value of the parameter.

The System.Data.OleDb.OleDbParameter.Size and System.Data.OleDb.OleDbParameter.Precision are inferred from the value of the dbType parameter if they are not explicity set in the size and precision The name of the parameter One parameters. to map. the System.Data.SqlDbType values. The width of the parameter. One of the System.Data.ParameterDirection values. true if the value of the field can be null, otherwise false. The total number of digits to the left and right of the decimal point to which System.Data.SqlClient.SqlParameter.Value is resolved. The total number of decimal places to which System.Data.SqlClient.SqlParameter.Value resolved. The of the column. One of the is name source System.Data.DataRowVersion values. An System.Object that is the value of the System.Data.SqlClient.SqlParameter.

DbType

ToString

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

lee @hayes ≠ 509-324-9256

[C#] public DbType DbType {get; set;} [C++] public: property DbType get DbType();public: _property void set DbType(DbType); **Public Property** DbType **DbType** [VB] As [JScript] public function get DbType() : DbType; public function set DbType(DbType); Description Gets or sets the **System.Data.DbType** of the parameter.

The System.Data.SqlClient.SqlParameter.SqlDbType

and System.Data.SqlClient.SqlParameter.DbType are linked. Therefore, setting the System.Data.SqlClient.SqlParameter.DbType changes the System.Data.SqlClient.SqlParameter.SqlDbType supporting to System.Data.SqlClient.SqlParameter.SqlDbType .

Direction

ToString

ParameterDirection Direction [C#] public {get; set;} [C++] public: property Parameter Direction get Direction(); public: property set Direction(ParameterDirection); void Public Direction **Parameter Direction Property** As [VB] [JScript] public function get Direction(): ParameterDirection; public function set Direction(ParameterDirection);

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets or sets a value indicating whether the parameter is input-only, outputonly, bidirectional, or a stored procedure return value parameter.

If the System.Data.ParameterDirection is output, and execution of the associated System.Data.SqlClient.SqlCommand does not return a value, the System.Data.SqlClient.SqlParameter contains a null value.

IsNullable

ToString

[C#] public bool IsNullable {get; set;}
[C++] public: __property bool get_IsNullable();public: __property void
set_IsNullable(bool);

[VB] Public Property IsNullable As Boolean [JScript] public function get IsNullable() : Boolean; public function set IsNullable(Boolean);

Description

Gets or sets a value indicating whether the parameter accepts null values.

Null values are handled using the System.DBNull class.

Offset

ToString

[C#] public int Offset {get; set;}
[C++] public: property int get Offset();public: property void set_Offset(int);

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[VB] Offset Public **Property** As Integer [JScript] public function get Offset(): int;public function set Offset(int); Description Gets or sets the offset to the System.Data.SqlClient.SqlParameter.Value property. This property is used for binary and string types. It returns the number of bytes for binary types, and the number of characters for strings. The count for strings does not include the terminating character, if null. ParameterName **ToString** [C#] public string **ParameterName** {get; set;} [C++] public: property String* get ParameterName();public: property void set ParameterName(String*); **Public Property ParameterName** String [VB] As [JScript] public function get ParameterName(): String; public function set ParameterName(String); Description Gets or sets the name of the System.Data.SqlClient.SqlParameter. The System.Data.SqlClient.SqlParameter.ParameterName is specified the form @paramname. You must set in

System.Data.SqlClient.SqlParameter.ParameterName before executing

System.Data.SqlClient.SqlCommand that relies on parameters.

1	Precision				
2	ToString				
3					
4	[C#] public byte Precision {get; set;				
5	[C++] public:property unsigned char get_Precision();public:property void				
6	set_Precision(unsigned char				
7	[VB] Public Property Precision As Byt				
8	[JScript] public function get Precision(): Byte;public function set Precision(Byte);				
9	·				
10	Description				
11	Gets or sets the maximum number of digits used to represent th				
12	System.Data.SqlClient.SqlParameter.Value property.				
13	The System.Data.SqlClient.SqlParameter.Precision property is used by				
14	parameters which have a System.Data.SqlDbType of Decimal.				
15	Scale				
16	ToString				
17					
18	[C#] public byte Scale {get; set;				
19	[C++] public:property unsigned char get_Scale();public:property voi				
20	set_Scale(unsigned char)				
21	[VB] Public Property Scale As Byt				
22	[JScript] public function get Scale() : Byte;public function set Scale(Byte)				
23					
24	Description				
25					

Gets or sets the number of decimal places to which System.Data.SqlClient.SqlParameter.Value is resolved.

The System.Data.SqlClient.SqlParameter.Scale property is used by parameters which have a System.Data.SqlDbType of Decimal .

Size

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

Ź0

21

22

23

24

25

ToString

[C#] public int Size {get; set;}

[C++] public: __property int get_Size();public: __property void set_Size(int);

[VB] Public Property Size As Integer

[JScript] public function get Size() : int;public function set Size(int);

Description

Gets or sets the maximum size, in bytes, of the data within the column.

The **System.Data.SqlClient.SqlParameter.Size** property is used for binary and string types.

SourceColumn

ToString

public SourceColumn [C#] string {get; set;} [C++] public: property String* get SourceColumn();public: __property void set SourceColumn(String*); Public Property SourceColumn As String [VB] [JScript] public function get SourceColumn(): String; public function set SourceColumn(String);

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets or sets the name of the source column that is mapped to the System.Data.DataSet and used for loading or returning the System.Data.SqlClient.SqlParameter.Value.

The link betwen the value of the System.Data.SqlClient.SqlParameter and the System.Data.DataTable may be bidirectional depending on the value of the System.Data.SqlClient.SqlParameter.Direction property.

SourceVersion

ToString

SourceVersion public **DataRowVersion** {get; set;} [C#] [C++]public: property **DataRowVersion** get SourceVersion();public: void set SourceVersion(DataRowVersion); property SourceVersion **DataRowVersion** [VB] **Public** Property . As [JScript] public function get SourceVersion(): DataRowVersion; public function SourceVersion(DataRowVersion); set

Description

Gets or sets the **System.Data.DataRowVersion** to use when loading **System.Data.SqlClient.SqlParameter.Value**.

This property is used by the System.Data.SqlClient.SqlDataAdapter.UpdateCommand during the System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) to determine whether the original or current value is used for a parameter value. This

3

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

allows primary keys to be updated. This property is ignored by the System.Data.SqlClient.SqlDataAdapter.InsertCommand and System.Data.SqlClient.SqlDataAdapter.DeleteCommand. This property is set of the version the System.Data.DataRow used to by the System.Data.DataRow.Item(System.Int32) the property, or System.Data.DataRow.GetChildRows(System.String) method of the System.Data.DataRow object.

SqlDbType

ToString

[C#] public SqlDbType SqlDbType {get; set;}
[C++] public: __property SqlDbType get_SqlDbType();public: __property void
set_SqlDbType(SqlDbType);

[VB] Public Property SqlDbType As SqlDbType [JScript] public function get SqlDbType() : SqlDbType;public function set SqlDbType(SqlDbType);

Description

Gets or sets the **System.Data.SqlDbType** of the parameter.

The System.Data.SqlClient.SqlParameter.SqlDbType and System.Data.SqlClient.SqlParameter.DbType are linked. Therefore, setting the System.Data.SqlClient.SqlParameter.DbType changes the System.Data.SqlClient.SqlParameter.SqlDbType to a supporting System.Data.SqlDbType.

864

Value

ToString 2 object Value public [C#] {get; set;} 3 [C++] public: property Object* get Value();public: property void 4 set Value(Object*); 5 [VB] **Public Property** Value As Object 6 [JScript] public function get Value() : Object; public function set Value(Object); 7 8 Description 9 Gets or sets the value of the parameter. 10 For input parameters, the value is bound the to 11 System.Data.SqlClient.SqlCommand that is sent to the server. For output and 12 return value parameters, the value is set on completion the 13 System.Data.SqlClient.SqlCommand after the and 14 System.Data.SqlClient.SqlDataReader is closed. 15 ICloneable.Clone 16 17 object ICloneable.Clone(); [C#] 18 Object* ICloneable::Clone(); [C++]19 ICloneable.Clone [VB] **Function** Clone() As Object **Implements** 20 [JScript] function ICloneable.Clone(): Object; 21 **ToString** 22 23 public override string ToString(); [C#] 24 String* ToString(); [C++]public:

lee@hayes_pac 509-324-9356 MSJ-864US.APP

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[VB] Overrides **Public Function** ToString() As String function [JScript] public override ToString() String; Description containing the Gets string a System.Data.SqlClient.SqlParameter.ParameterName Value: containing Return Α string the System.Data.SqlClient.SqlParameter.ParameterName . SqlParameterCollection class (System.Data.SqlClient) **ToString**

Description

Collects all parameters relevant to a **System.Data.SqlClient.SqlCommand** and their respective mappings to **System.Data.DataSet** columns. This class cannot be inherited.

The number of the parameters in the collection must be equal to the number of parameter placeholders within the command text, or SQL Server raises an error.

Count

ToString

public Count [C#] int {get;} public: get Count(); [C++]property int **Public** ReadOnly [VB] Property Count As Integer [JScript] public function Count() int; get :

lee@hayes pik 509-324-9256 MS1-864US.APP

Description 2 Gets the number of System.Data.SqlClient.SqlParameter objects in the 3 collection. Item 5 **ToString** 6 7 this[int index] [C#] SqlParameter public {get; set;} 8 [C++] public: property SqlParameter* get_Item(int index);public: __property void set Item(int index, SqlParameter*); 10 [VB] Public Default Property Item(ByVal index As Integer) As SqlParameter 11 [JScript] returnValue 12 SqlParameterCollectionObject.Item(index);SqlParameterCollectionObject.Item(in 13 dex) = returnValue; Gets the System.Data.SqlClient.SqlParameter with a 14 specified attribute. 15 16 Description 17 Gets the System.Data.SqlClient.SqlParameter at the specified index. The 18 zero-based index of the parameter to retrieve. 19 Item 20 **ToString** 21 22 SqlParameter this string parameterName] [C#] public {get; set;} 23 public: SqlParameter* get Item(String* [C++]property 24 parameterName);public: property void set Item(String* parameterName, 25

SqlParameter*); 1 [VB] Public Default Property Item(ByVal parameterName As String) As 2 SqlParameter 3 returnValue [JScript] 4 SqlParameterCollectionObject.Item(parameterName);SqlParameterCollectionObje 5 ct.Item(parameterName) returnValue; 6 7 Description 8 Gets the System.Data.SqlClient.SqlParameter with the specified name. 9 The name of the parameter to retrieve. 10 Add 11 12 public int Add(object value); [C#] 13 public: int Add(Object* [C++]sealed value); 14 [VB] NotOverridable Public Function Add(ByVal value As Object) As Integer 15 Add(value Object) [JScript] public function int; Adds 16 System.Data.SqlClient.SqlParameter the to 17 System.Data.SqlClient.SqlParameterCollection 18 19 Description 20 Adds the specified System.Data.SqlClient.SqlParameter object to the 21 System.Data.SqlClient.SqlParameterCollection 22 Return Value: A reference to the new System.Data.SqlClient.SqlParameter 23 object. The System.Data.SqlClient.SqlParameter to add to the collection. 24 Add 25

Add(SqlParameter [C#] public SqlParameter value); [C++]public: SqlParameter* Add(SqlParameter* value); [VB] Public Function Add(ByVal value As SqlParameter) As SqlParameter public function Add(value : SqlParameter) : [JScript] SqlParameter;

Description

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Adds the specified **System.Data.SqlClient.SqlParameter** object to the **System.Data.SqlClient.SqlCommand** .

Return Value: A reference to the new System.Data.SqlClient.SqlParameter object. The System.Data.SqlClient.SqlParameter to be added.

Add

[C#] public SqlParameter Add(string parameterName, object value);
[C++] public: SqlParameter* Add(String* parameterName, Object* value);
[VB] Public Function Add(ByVal parameterName As String, ByVal value As Object)

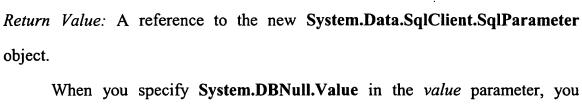
As SqlParameter

[JScript] public function Add(parameterName : String, value : Object) :
SqlParameter;

Description

Adds a **System.Data.SqlClient.SqlParameter** to the **System.Data.SqlClient.SqlParameterCollection** with the specified parameter name and **System.Data.SqlClient.SqlParameter** object.

lee@hayes_pix 509-324-9256 869 ... MS1-864US.APP



should also explicitly set the System.Data.SqlClient.SqlParameter.SqlDbType as demonstrated in this C# example: SqlCommand rComm = new SqlCommand(null, rConn); rComm.CommandText = "insert into mytable values (?)"; rComm.Parameters.Add("@p1", DBNull.Value); rComm.Parameters["@p1"].SqlDbType = SqlDbType.Integer;x The System.Data.SqlClient.SqlParameter to add to the collection.

Add

[C#] public SqlParameter Add(string parameterName, SqlDbType sqlDbType);
[C++] public: SqlParameter* Add(String* parameterName, SqlDbType sqlDbType);
[VB] Public Function Add(ByVal parameterName As String, ByVal sqlDbType As SqlDbType) As SqlParameter
[JScript] public function Add(parameterName : String, sqlDbType : SqlDbType) : SqlParameter;

Description

Adds a **System.Data.SqlClient.SqlParameter** to the **System.Data.SqlClient.SqlParameterCollection** with the parameter name and the data type.

Return Value: A reference to the new System.Data.SqlClient.SqlParameter object. 2 Add 3 4 [C#] public SqlParameter Add(string parameterName, SqlDbType sqlDbType, int 5 size); 6 SqlParameter* Add(String* public: parameterName, [C++]SqlDbType 7 sqlDbType, size); int 8 [VB] Public Function Add(ByVal parameterName As String, ByVal sqlDbType 9 As SqlDbType, ByVal size As Integer) As SqlParameter 10 [JScript] public function Add(parameterName : String, sqlDbType : SqlDbType, 11 int) SqlParameter; size : 12 13 Description 14 Adds System.Data.SqlClient.SqlParameter the to 15 System.Data.SqlClient.SqlParameterCollection with the parameter name, 16 the data and the column width. type, 17 Return Value: A reference to the new System.Data.SqlClient.SqlParameter 18 object. The width of the column. 19 Add 20 21 [C#] public SqlParameter Add(string parameterName, SqlDbType sqlDbType, int 22 sourceColumn); size, string 23 SqlParameter* Add(String* parameterName, [C++] public: SqlDbType 24 sourceColumn); sqlDbType, String* int size,

MS1-864US.APP

18

20

21

23

24

[VB] Public Function Add(ByVal parameterName As String, ByVal sqlDbType As SqlDbType, ByVal size As Integer, ByVal sourceColumn As String) As 2 SqlParameter 3 [JScript] public function Add(parameterName : String, sqlDbType : SqlDbType, size int, sourceColumn String) SqlParameter; 5 6 Description 7 System.Data.SqlClient.SqlParameter Adds the 8 a to System.Data.SqlClient.SqlParameterCollection with the parameter name, the 9 and data the column width, the source column type, name. 10 Return Value: A reference to the new System.Data.SqlClient.SqlParameter 11 object. The width of the column. The name of the source column. 12 Clear 13 14 [C#] public void Clear(); 15 [C++]public: sealed void Clear(); 16 NotOverridable **Public** Sub Clear() [VB] [JScript] public function Clear(); 19 Description Removes all items from the collection. **Contains** 22 public Contains(object value); [C#] bool Contains(Object* public: sealed bool value); [C++]25

[VB] NotOverridable Public Function Contains(ByVal value As Object) As Boolean

[JScript] public function Contains(value : Object) : Boolean;

Description

Indicates whether a System.Data.SqlClient.SqlParameter exists in the collection.

Return Value: true if the collection contains the System.Data.SqlClient.SqlParameter object; otherwise, false . A System.Data.SqlClient.SqlParameter object.

Contains

[C#] public bool Contains(string value);
[C++] public: __sealed bool Contains(String* value);
[VB] NotOverridable Public Function Contains(ByVal value As String) As
Boolean

[JScript] public function Contains(value : String) : Boolean; Indicates whether a System.Data.SqlClient.SqlParameter exists in the collection.

Description

Indicates whether a System.Data.SqlClient.SqlParameter with the specified parameter name exists in the collection.

Return Value: true if the collection contains the parameter; otherwise, false. The name of the parameter to retrieve.

СоруТо

CopyTo(Array [C#] public void array, int index); [C++]public: sealed void CopyTo(Array* array, int index); [VB] NotOverridable Public Sub CopyTo(ByVal array As Array, ByVal index As Integer)

[JScript] public function CopyTo(array : Array, index : int);

Description

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Copies System.Data.SqlClient.SqlParameter objects from the System.Data.SqlClient.SqlParameterCollection to the specified array. An System.Array to which to copy the System.Data.SqlClient.SqlParameter objects in the collection. The starting index of the array.

GetEnumerator

[C#] public **IEnumerator** GetEnumerator(); IEnumerator* GetEnumerator(); [C++]public: sealed [VB] NotOverridable Public Function GetEnumerator() As IEnumerator [JScript] public function GetEnumerator() IEnumerator;

Description

IndexOf

[C#] public int IndexOf(object value);
[C++] public: __sealed int IndexOf(Object* value);
[VB] NotOverridable Public Function IndexOf(ByVal value As Object) As Integer

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C++]

public:

sealed

[JScript] function IndexOf(value Object) public int; Description Gets the location of a System.Data.SqlClient.SqlParameter in the collection. Return Value: The location of the System.Data.SqlClient.SqlParameter in the collection. IndexOf [C#] public IndexOf(string parameterName); int public: sealed int IndexOf(String* parameterName); [C++][VB] NotOverridable Public Function IndexOf(ByVal parameterName As String) Integer As [JScript] public function IndexOf(parameterName : String) : int; Gets the location System.Data.SqlClient.SqlParameter of in the collection. Description Gets the location of the System.Data.SqlClient.SqlParameter in the collection with specific a parameter name. Return Value: The location of the System.Data.SqlClient.SqlParameter in the collection. The name of the parameter to retrieve. Insert object public Insert(int index, value); [C#] void

Insert(int

index,

Object*

value);

void

[VB] NotOverridable Public Sub Insert(ByVal index As Integer, ByVal value As Object)

[JScript] public function Insert(index : int, value : Object);

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Inserts a **System.Data.SqlClient.SqlParameter** in the collection at the specified index. The zero-based index within the collection to insert the *value*parameter. The **System.Data.SqlClient.SqlParameter** to add to the collection.

Remove

Remove(object public void value); [C#] public: sealed void Remove(Object* value); [C++]Remove(ByVal [VB] NotOverridable Public Sub value As Object) public function Remove(value Object); [JScript]

Description

Removes the specified **System.Data.SqlClient.SqlParameter** from the collection. A **System.Data.SqlClient.SqlParameter** object to remove from the collection.

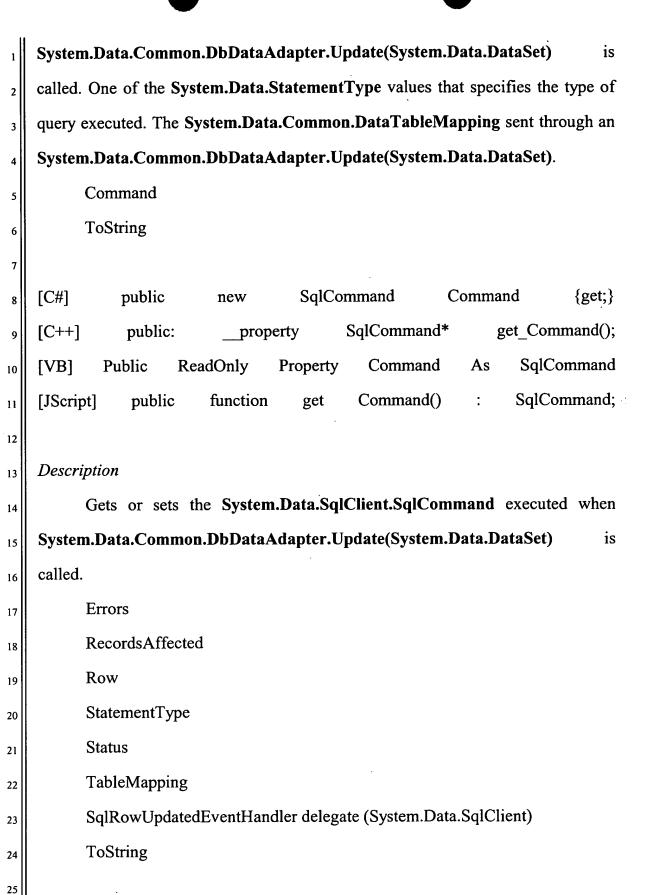
RemoveAt

[C#] public void RemoveAt(int index);
[C++] public: __sealed void RemoveAt(int index);
[VB] NotOverridable Public Sub RemoveAt(ByVal index As Integer)

MS1-864US.APP

[JScript] public function RemoveAt(index : int); Removes the specified						
System.Data.SqlClient.SqlParameter from the collection						
Description						
Removes the specified System.Data.SqlClient.SqlParameter from the						
collection using a specific index. The zero-based index of the parameter.						
RemoveAt						
-						
[C#] public void RemoveAt(string parameterName)						
[C++] public:sealed void RemoveAt(String* parameterName)						
[VB] NotOverridable Public Sub RemoveAt(ByVal parameterName As String)						
[JScript] public function RemoveAt(parameterName : String)						
Description						
Removes the specified System.Data.SqlClient.SqlParameter from the						
collection using the parameter name.						
SqlRowUpdatedEventArgs class (System.Data.SqlClient)						
ToString						
Description						
Provides data for the						
System.Data.SqlClient.SqlDataAdapter.RowUpdated event. This class canno						
be inherited.						

System.Data.SqlClient.SqlDataAdapter.RowUpdated The 1 raised when an 2 System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) a 3 row is completed. 4 SqlRowUpdatedEventArgs 5 Example Syntax: 6 **ToString** 7 8 [C#] public SqlRowUpdatedEventArgs(DataRow row, IDbCommand command, 9 StatementType statementType, DataTableMapping tableMapping); 10 [C++] public: SqlRowUpdatedEventArgs(DataRow* row, IDbCommand* 11 command, StatementType statementType, DataTableMapping* tableMapping); 12 [VB] Public Sub New(ByVal row As DataRow, ByVal command As 13 IDbCommand, ByVal statementType As StatementType, ByVal tableMapping As 14 DataTableMapping) 15 [JScript] public function SqlRowUpdatedEventArgs(row: DataRow, command: 16 IDbCommand, tableMapping statementType StatementType, 17 DataTableMapping); 18 19 Description 20 Initializes the instance of a new 21 System.Data.SqlClient.SqlRowUpdatedEventArgs The class. 22 System.Data.DataRow through sent an 23 System.Data.Common.DbDataAdapter.Update(System.Data.DataSet). The 24 System.Data.IDbCommand when executed 25



2 Description 3 will handle Represents the method that 4 System.Data.SqlClient.SqlDataAdapter.RowUpdated event of 5 System.Data.SqlClient.SqlDataAdapter . The source of the event. The 6 System.Data.SqlClient.SqlRowUpdatedEventArgs that contains the event data. 7 The handler is not required perform any action, and your code should avoid 8 generating exceptions or allowing exceptions to propagate to the calling method. 9 Any exceptions that do reach the caller are ignored. 10 SqlRowUpdatingEventArgs class (System.Data.SqlClient) 11 **ToString** 12 13 14 Description 15 **Provides** for data 16 System.Data.SqlClient.SqlDataAdapter.RowUpdating event. This class cannot 17 be inherited. 18 System.Data.SqlClient.SqlDataAdapter.RowUpdating event 19 before raised 20 System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) 21 22 row. SqlRowUpdatingEventArgs 23

the

a

the

an

a

24

25

Example Syntax:

ToString

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

[C#] public SqlRowUpdatingEventArgs(DataRow row, IDbCommand command, StatementType statementType, DataTableMapping tableMapping); [C++] public: SqlRowUpdatingEventArgs(DataRow* row, IDbCommand* command, StatementType statementType, DataTableMapping* tableMapping); [VB] Public Sub New(ByVal row As DataRow, ByVal command As IDbCommand, ByVal statementType As StatementType, ByVal tableMapping As DataTableMapping)

[JScript] public function SqlRowUpdatingEventArgs(row: DataRow, command: IDbCommand, statementType: StatementType, tableMapping: DataTableMapping);

Description

Initializes instance of the new System.Data.SqlClient.SqlRowUpdatingEventArgs class. The System.Data.DataRow to System.Data.Common.DbDataAdapter.Update(System.Data.DataSet). The System.Data.IDbCommand during to execute System.Data.Common.DbDataAdapter.Update(System.Data.DataSet). One of the **System.Data.StatementType** values that specifies the type of query executed. System.Data.Common.DataTableMapping The sent through an System.Data.Common.DbDataAdapter.Update(System.Data.DataSet).

Command

ToString

25

24

1								
2	[C#] public new SqlCommand Command {get; set;}							
3	[C++] public:property SqlCommand* get_Command();public:property void							
4	set_Command(SqlCommand*);							
5	[VB] Public Property Command As SqlCommand							
6	[JScript] public function get Command(): SqlCommand;public function set							
7	Command(SqlCommand);							
8								
9	Description							
10	Gets or sets the System.Data.SqlClient.SqlCommand to execute when							
11	performing the							
12	System.Data.Common.DbDataAdapter.Update(System.Data.DataSet) .							
13	Errors							
14	Row							
15	StatementType							
16	Status							
17	TableMapping							
18	SqlRowUpdatingEventHandler delegate (System.Data.SqlClient)							
19	ToString							
20								
21								
22	Description							
23	Represents the method that will handle the							
24	System.Data.SqlClient.SqlDataAdapter.RowUpdating event of a							
25								

System.Data.SqlClient.SqlDataAdapter. The source of the event. The System.Data.SqlClient.SqlRowUpdatingEventArgs that contains the event data.

The handler is not required perform any action, and your code should avoid generating exceptions or allowing exceptions to propagate to the calling method.

Any exceptions that do reach the caller are ignored.

SqlTransaction class (System.Data.SqlClient)

ToString

Description

Represents a Transact-SQL transaction to be made in a SQL Server database. This class cannot be inherited.

The application creates a **System.Data.SqlClient.SqlTransaction** object by calling **System.Data.SqlClient.SqlConnection.BeginTransaction** on the **System.Data.SqlClient.SqlConnection** object. All subsequent operations associated with the transaction (for example, committing or aborting the transaction), are performed on the **System.Data.SqlClient.SqlTransaction** object.

Connection

ToString

[C#] public S

SqlConnection Connection {get;}

[C++] public: __property SqlConnection* get_Connection();

[VB] Public ReadOnly Property Connection As SqlConnection [JScript] public function get Connection(): SqlConnection;

IsolationLevel

ToString

1

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#] public IsolationLevel IsolationLevel {get;}

[C++] public: __property IsolationLevel get_IsolationLevel();

[VB] Public ReadOnly Property IsolationLevel As IsolationLevel

[JScript] public function get IsolationLevel() : IsolationLevel;

Description

Specifies the System.Data.IsolationLevel for this transaction.

Parallel transactions are not supported. Therefore, the System.Data.IsolationLevel applies to the entire transaction.

Commit

[C#] public void Commit();

[C++] public: __sealed void Commit();

[VB] NotOverridable Public Sub Commit()

[JScript] public function Commit();

Description

Commits the database transaction.

The **System.Data.SqlClient.SqlTransaction.Commit** method is equivalent to the Transact-Sql COMMIT TRANSACTION statement. For more information, see SQL Server Books Online.

Dispose

[C#] public void Dispose(); public: sealed void Dispose(); [C++]**Public** Sub [VB] NotOverridable Dispose() [JScript] public function Dispose(); Releases the resources used by the System.Data.SqlClient.SqlTransaction

Description

3

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Releases the unmanaged resources used by the System.Data.SqlClient.SqlTransaction and optionally releases the managed resources.

This method is called by the public method and the System.Object.Finalize method.

Rollback

[C#] public void Rollback();
[C++] public: __sealed void Rollback();
[VB] NotOverridable Public Sub Rollback()
[JScript] public function Rollback(); Rolls back a transaction from a pending state.

Description

Rolls back a transaction from a pending state.

The **System.Data.SqlClient.SqlTransaction.Rollback** method is equivalent to the Transact-Sql ROLLBACK TRANSACTION statement. For more information, see SQL Server Books Online.

lee@hayes ≠ 509-324-936 885 MS1-864US.APP

Rollback

[C#]	publ	ic	void	Rollba	ck(string	5	tra	nsactio	nNam	e);
[C++]	pub	lic:	void	Rollbac	ck(String	*	tra	nsactio	nNam	e);
[VB]	Public	Sub	Rollback((ByVal	transact	io	nName	As	Strin	ıg)
[JScript] public	function	Rollback	(transactio	onName	:	String);	Rolls	back	a
transact	ion	fro	m	a		pe	ending		sta	te.

Description

Rolls back a transaction from a pending state, and specifies the transaction or savepoint name.

The **System.Data.SqlClient.SqlTransaction.Rollback** method is equivalent to the Transact-Sql ROLLBACK TRANSACTION statement. For more information, see SQL Server Books Online. The name of the transaction to rollback, or the savepoint to which to rollback.

Save

[C#]	public	void	Save(string	savePoi	ntName);
[C++]	public:	void	Save(String*	savePoi	ntName);
[VB]	Public Sub	Save(ByVal	savePointName	As	String)
[JScript]	public	function Sa	ave(savePointName	:	String);

Description

Creates a savepoint in the transaction that can be used to roll back a portion of the transaction, and specifies the savepoint name.

lee@hayes pa \$59-324-9256 886 MS1-864US.APP

ı

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

System.Data.SqlClient.SqlTransaction.Save(System.String) method is equivalent to the Transact-SQL SAVE TRANSACTION statement. For more information, see SQL Server Books Online. The name of

System.Data.SqlTypes

The namespace provides classes for native data types within SQL Server. These classes provide a safer, faster alternative to other data types. Using the objects within this namespace helps prevent type conversion errors caused in situations where loss of precision could occur. Because other data types are converted to and from SqlTypes behind the scenes, explicitly creating and using within this results in faster code well. objects namespace as Description

The **System.Data.SqlTypes** namespace provides classes for native data types within SQL Server. These classes provide a safer, faster alternative to other data types. Using the objects within this namespace helps prevent type conversion errors caused in situations where loss of precision could occur. Because other data types are converted to and from SqlTypes behind the scenes, explicitly creating and using objects within this namespace results in faster code as well.

INullable interface (System.Data.SqlTypes)

Description

25

All of the **System.Data.SqlTypes** objects and structures implement the INullable interface, reflecting the fact that, unlike the corresponding system types, **SqlTypes** can legally contain the value null.

Properties:

IsNull

[C#]	b	ool		IsNull		{get;}
[C++]		bool				get_IsNull();
[VB]	ReadOnly	Property		IsNull	As	Boolean
[JScript]	abstract	function	get	IsNull()	:	Boolean;

Description

Indicates whether a structure is null.

SqlBinary structure (System.Data.SqlTypes)

Description

Represents a variable-length stream of binary data to be stored in or retrieved from a database.

[C#]	public	static	readonly	2	SqlBinary	Null;
[C++]	publ	ic:	static	SqlE	Binary	Null;
[VB]	Public	Shared	ReadOnly	Null	As	SqlBinary
[JScript]	public	static	var	Null	:	SqlBinary;

lee@hayes ≠ 509-324-9256 888 MS1-864US.APP

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Represents a null value that can be assigned to the System.Data.SqlTypes.SqlBinary.Value property of a System.Data.SqlTypes.SqlBinary structure.

Null functions as a constant for the SqlBinary structure.

Constructors:

SqlBinary

Example Syntax:

SqlBinary(byte[] public value); [C#] SqlBinary(unsigned char value [C++]public: gc[]); **Public** Sub New(ByVal value() Byte) [VB] As [JScript] public function SqlBinary(value : Byte[]); Initializes a new instance of System.Data.SqlTypes.SqlBinary the structure.

Description

Initializes a new instance of the **SqlBinary** structure, setting the **System.Data.SqlTypes.SqlBinary.Value** property to the contents of the supplied byte array. The byte array to be stored or retrieved.

IsNull

IsNull public bool {get;} [C#] bool get IsNull(); public: property [C++]Boolean [VB] Public ReadOnly Property IsNull As

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[JScript] Boolean; function IsNull() public get Description indicating whether whether the Gets value a of System.Data.SqlTypes.SqlBinary.Value property the System.Data.SqlTypes.SqlBinary structure is null. This property is read-only. Item this[int index] public {get;} [C#] byte public: unsigned char get Item(int index); property [C++][VB] Public Default ReadOnly Property Item(ByVal index As Integer) As Byte SqlBinaryObject.Item(index); [JScript] returnValue Description Gets the single byte from the Value property located at the position indicated by the integer parameter, index. If index indicates a position beyond the end of the byte array, a System.Data.SqlTypes.SqlNullValueException will be raised. This property is read-only. avoid raising a SqlNullValueException, always check To System.Data.SqlTypes.SqlBinary.IsNull property and the Length property before reading this. The position of the byte to be retrieved. Length Length {get;} public int [C#]

property

int

get Length();

[C++]

public:

[VB] Public ReadOnly Property Length As Integer [JScript] public function get Length() : int;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets the length in bytes of the **System.Data.SqlTypes.SqlBinary.Value** property. This property is read-only.

To avoid raising a SqlNullValueException, always check the System.Data.SqlTypes.SqlBinary.IsNull property before reading the Length property.

Value

byte[] Value [C#] public {get;} public: unsigned char get Value(); [C++]property **Public** ReadOnly Value [VB] Property As Byte [JScript] public function Value() Byte[]; get :

Description

Gets the value of the **System.Data.SqlTypes.SqlBinary** structure. This property is read-only.

To avoid raising a SqlNullValueException, always check the System.Data.SqlTypes.SqlBinary.IsNull property before reading the Value property.

Methods:

CompareTo

25

[C#] public CompareTo(object value); int CompareTo(Object* [C++]public: sealed int value); [VB] NotOverridable Public Function CompareTo(ByVal value As Object) As Integer CompareTo(value Object) [JScript] public function int;

Description

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Compares this **System.Data.SqlTypes.SqlBinary** object to the supplied object and returns an indication of their relative values. *Return Value:* A signed number indicating the relative values of this **SqlBinary** structure and the object. The object to be compared to this **SqlBinary** structure.

Concat

SqlBinary Concat(SqlBinary **SqlBinary** [C#] public static х, y); [C++]public: static SqlBinary Concat(SqlBinary **SqlBinary** х, y); [VB] Public Shared Function Concat(ByVal x As SqlBinary, ByVal y As SqlBinary) As **SqlBinary** [JScript] public static function Concat(x : SqlBinary, y : SqlBinary) : SqlBinary;

Description

Concatenates two **System.Data.SqlTypes.SqlBinary** structures to create a new **SqlBinary** structure.

Return Value: The concatenated values of the x and y parameters. A **SqlBinary** structure. A **SqlBinary** structure.

lee⊗hayes ≠ 509-124-9256 892 MS1-864US.APP

Equals

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#] public override bool Equals(object value);
[C++] public: bool Equals(Object* value);
[VB] Overrides Public Function Equals(ByVal value As Object) As Boolean
[JScript] public override function Equals(value : Object) : Boolean;

Description

Compares the supplied object parameter to the System.Data.SqlTypes.SqlBinary.Value property of the System.Data.SqlTypes.SqlBinary object.

Return Value: true if object is an instance of System.Data.SqlTypes.SqlBinary and the two are equal; otherwise false. The object to be compared.

Equals

[C#] public static new SqlBoolean Equals(SqlBinary x, SqlBinary y); [C++] public: SqlBoolean Equals(SqlBinary **SqlBinary** static x, [VB] Shadows Public Shared Function Equals(ByVal x As SqlBinary, ByVal y As SqlBoolean SqlBinary) As [JScript] public static hide function Equals(x : SqlBinary, y : SqlBinary) : SqlBoolean; Compares two System.Data.SqlTypes.SqlBinary structures to if determine equal. they are

Description

lee@hayes ≠ 509-32+9256 893 MS1-864US.APP

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Compares two System.Data.SqlTypes.SqlBinary structures to determine if they equal. are Value: System.Data.SqlTypes.SqlBoolean that Return Α is System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If of is null, either instance **SqlBinary** the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A SqlBinary structure. A SqlBinary structure.

GetHashCode

override GetHashCode(); [C#] public int public: int GetHashCode(); [C++][VB] **Overrides** Function GetHashCode() Public As Integer [JScript] public function GetHashCode() override int;

Description

Returns the hash code for this **System.Data.SqlTypes.SqlBinary** structure.

Return Value: A 32-bit signed integer hash code.

GreaterThan

[C#] public static SqlBoolean GreaterThan(SqlBinary x, SqlBinary y);
[C++] public: static SqlBoolean GreaterThan(SqlBinary x, SqlBinary y);
[VB] Public Shared Function GreaterThan(ByVal x As SqlBinary, ByVal y As
SqlBinary)

As
SqlBoolean

[JScript] public static function GreaterThan(x : SqlBinary, y : SqlBinary) : SqlBoolean;

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Compares two System.Data.SqlTypes.SqlBinary structures to determine if the first than the second. is greater System.Data.SqlTypes.SqlBoolean Return Value: Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlBinary is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlBinary structure. A SqlBinary structure.

GreaterThanOrEqual

[C#] public static SqlBoolean GreaterThanOrEqual(SqlBinary x, SqlBinary y);
[C++] public: static SqlBoolean GreaterThanOrEqual(SqlBinary x, SqlBinary y);
[VB] Public Shared Function GreaterThanOrEqual(ByVal x As SqlBinary, ByVal y As SqlBinary) As SqlBinary) As SqlBoolean
[JScript] public static function GreaterThanOrEqual(x: SqlBinary, y: SqlBinary):
SqlBoolean;

Description

Compares two System.Data.SqlTypes.SqlBinary structues to determine if the second. the first is than equal greater or to Value: System.Data.SqlTypes.SqlBoolean that is Α Return

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlBoolean.True if the first instance is greaater than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False If of **SqlBinary** the either instance is null, System.Data.SqlTypes.SqlBoolean.Value of **SqlBoolean** will the be System.Data.SqlTypes.SqlBoolean.Null . A SqlBinary structure. A SqlBinary structure.

LessThan

[C#] public static SqlBoolean LessThan(SqlBinary x, SqlBinary y);
[C++] public: static SqlBoolean LessThan(SqlBinary x, SqlBinary y);
[VB] Public Shared Function LessThan(ByVal x As SqlBinary, ByVal y As SqlBinary)

As SqlBoolean
[JScript] public static function LessThan(x : SqlBinary, y : SqlBinary) : SqlBoolean;

Description

Compares two System. Data. SqlTypes. SqlBinary structures to determine if the first is less than the second. System.Data.SqlTypes.SqlBoolean Return Value: Α is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlBinary is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlBinary structure. A SqlBinary structure.

Less Than Or Equal

[C#] public static SqlBoolean LessThanOrEqual(SqlBinary x, SqlBinary y);
[C++] public: static SqlBoolean LessThanOrEqual(SqlBinary x, SqlBinary y);
[VB] Public Shared Function LessThanOrEqual(ByVal x As SqlBinary, ByVal y
As SqlBinary) As SqlBoolean
[JScript] public static function LessThanOrEqual(x : SqlBinary, y : SqlBinary) :
SqlBoolean;

Description

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Compares two System.Data.SqlTypes.SqlBinary structures to determine less than the second. if the first is equal to or System.Data.SqlTypes.SqlBoolean Value: Α that Return System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If of **SqlBinary** is null, the either instance System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlBinary structure. A SqlBinary structure.

NotEquals

[C#] public static SqlBoolean NotEquals(SqlBinary x, SqlBinary y);
[C++] public: static SqlBoolean NotEquals(SqlBinary x, SqlBinary y);
[VB] Public Shared Function NotEquals(ByVal x As SqlBinary, ByVal y As SqlBinary)

As SqlBoolean
[JScript] public static function NotEquals(x : SqlBinary, y : SqlBinary) :

lee@hayes pt 509-324-9256 897 MS1-864US.APP

SqlBoolean; 2 Description 3 Compares two System.Data.SqlTypes.SqlBinary structures to determine 4 if equal. they are 5 System.Data.SqlTypes.SqlBoolean Return Value: Α is 6 System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or 7 System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either 8 instance of SqlBinary is null, the System.Data.SqlTypes.SqlBoolean.Value of 9 the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlBinary 10 structure. A SqlBinary structure. 11 op Addition 12 13 public static SqlBinary operator +(SqlBinary [C#] х, SqlBinary y); 14 [C++] public: static SqlBinary op Addition(SqlBinary x, SqlBinary y); 15 [VB] returnValue SqlBinary.op Addition(x, y) 16 returnValue [JScript] X y; 17 18 Description 19 Concatenates the two System.Data.SqlTypes.SqlBinary parameters to 20 **SqlBinary** create structure. a new 21 *Return Value:* The concatenated values of the x and y parameters. 22 x will appear first in the resulting SqlBinary, followed by y. A SqlBinary 23 object. A SqlBinary object. 24 op_Equality 25

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

```
[C#] public static SqlBoolean operator ==(SqlBinary x, SqlBinary y);
[C++] public: static SqlBoolean op Equality(SqlBinary x, SqlBinary
[VB]
             returnValue
                                          SqlBinary.op Equality(x,
                                                                         y)
[JScript]
                 returnValue
                                                  X
                                                                         у;
Description
      Compares two System.Data.SqlTypes.SqlBinary structures to determine
if
                                                                      equal.
                      they
                                              are
           Value:
                     Α
                            System.Data.SqlTypes.SqlBoolean
                                                                  that
                                                                          is
Return
System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or
System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If
either
            instance
                           of
                                    SqlBinary
                                                    is
                                                             null,
                                                                        the
System.Data.SqlTypes.SqlBoolean.Value of
                                                    SqlBoolean
                                               the
System.Data.SqlTypes.SqlBoolean.Null . A SqlBinary object. A SqlBinary
object.
      op Explicit
                                                    byte[](SqlBinary
         public
                   static
                             explicit
                                        operator
[C#]
                                                                         x);
            public:
                                     unsigned
                                                    char
                                                               op Explicit();
[C++]
                         static
                                                    SqlBinary.op Explicit(x)
[VB]
                returnValue
[JScript]
                       returnValue
                                                                  Byte [](x);
Description
```

899

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the contents of the **System.Data.SqlTypes.SqlBinary.Value** property of the **System.Data.SqlTypes.SqlBinary** parameter as an array of bytes. *Return Value:* An array of bytes.

In Visual Basic, you can use the conversions defined by the class, but you cannot override them or create your own. If Option Strict is set, you must use the to convert the System.Data.SqlTypes.SqlBinary to a binary object. A System.Data.SqlTypes.SqlBinary.

op_Explicit

public SqlBinary(SqlGuid [C#] static explicit operator x); [C++]public: static SqlBinary op Explicit(SqlGuid x); returnValue SqlBinary.op Explicit(x) [VB] SqlBinary(x);[JScript] returnValue

Description

Converts a **System.Data.SqlTypes.SqlGuid** structure to a **System.Data.SqlTypes.SqlBinary** structure.

Return Value: A SqlBinary structure.

In Visual Basic, you can use the conversions defined by the class, but you cannot override them or create your own. If Option Strict is set, you must use the to convert the System.Data.SqlTypes.SqlGuid to a System.Data.SqlTypes.SqlBinary. The SqlGuid structure to be converted.

op_GreaterThan

[C#] public static SqlBoolean operator >(SqlBinary x, SqlBinary y);

[C++] public: static SqlBoolean op_GreaterThan(SqlBinary x, SqlBinary y);
[VB] returnValue = SqlBinary.op_GreaterThan(x, y)

[JScript] returnValue = x > y;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Compares two System.Data.SqlTypes.SqlBinary structures to determine if the first than the is greater second. Value: System.Data.SqlTypes.SqlBoolean Return Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlBinary is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlBinary object. A SqlBinary object.

 $op_GreaterThanOrEqual$

[C#] public static SqlBoolean operator >=(SqlBinary x, SqlBinary y); [C++] public: static SqlBoolean op_GreaterThanOrEqual(SqlBinary x, SqlBinary y);

[VB] returnValue = SqlBinary.op_GreaterThanOrEqual(x, y)

[JScript] returnValue = x >= y;

Description

Compares two System.Data.SqlTypes.SqlBinary structues to determine if first than the second. the is equal to greater or System.Data.SqlTypes.SqlBoolean Return Value: Α that is

lee@hayes_ptc 509-324-936 901 MS1-864US.APP

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Syste	System.Data.SqlTypes.SqlBoolean.True if the first instance is greaater than or							
equal	to the	second inst	tance, otherw	rise Syst	em.Data.	SqlTypes.Sq	ηlBoolean.I	alse
	If	either	instance	of	SqlBina	ry is	null,	the
Syste	m.Data	a.SqlTypes	.SqlBoolean	.Value	of the	SqlBool	e an will	be
Syste	m.Data	a.SqlTypes	.SqlBoolean	.Null .	A SqlBi	nary object	. A SqlBi	nary
objec	t.				•			
	op_In	nplicit						

public implicit SqlBinary(byte[] [C#] static operator x); static SqlBinary op_Implicit(unsigned char x gc[]); public: [C++]returnValue SqlBinary.op Implicit(x) [VB] [JScript] returnValue x;

Description

Converts an array of bytes to a **System.Data.SqlTypes.SqlBinary** structure.

Return Value: A SqlBinary structure that represents the converted array of bytes.

The array of bytes to be converted.

op_Inequality

[C#] public static SqlBoolean operator !=(SqlBinary x, SqlBinary y);
[C++] public: static SqlBoolean op_Inequality(SqlBinary x, SqlBinary y);
[VB] returnValue = SqlBinary.op_Inequality(x, y)
[JScript] returnValue = x != y;

1

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Compares two System.Data.SqlTypes.SqlBinary structures to determine if they equal. are Value: System.Data.SqlTypes.SqlBoolean Return Α that is System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either instance of SqlBinary is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null. A SqlBinary object. A SqlBinary object.

op LessThan

[C#] public static SqlBoolean operator
[C++] public: static SqlBoolean op_LessThan(SqlBinary x, SqlBinary y);
[VB] returnValue = SqlBinary.op_LessThan(x, y)
[JScript] returnValue = x < y;

Description

Compares two System.Data.SqlTypes.SqlBinary structures to determine if the first is than the less second. Value: System.Data.SqlTypes.SqlBoolean Return A that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlBinary is null, the System.Data.SqlTypes.SqlBoolean.Value of

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlBinary object. A SqlBinary object.

op LessThanOrEqual

[C#] public static SqlBoolean operator <=(SqlBinary x, SqlBinary y);
[C++] public: static SqlBoolean op_LessThanOrEqual(SqlBinary x, SqlBinary y);
[VB] returnValue = SqlBinary.op_LessThanOrEqual(x, y)
[JScript] returnValue = x <= y;

Description

Compares two System.Data.SqlTypes.SqlBinary structures to determine if the first is than the less equal to second. or System.Data.SqlTypes.SqlBoolean Value: that Return Α is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of **SqlBinary** is null, the System.Data.SqlTypes.SqlBoolean.Value of SqlBoolean will the be System.Data.SqlTypes.SqlBoolean.Null . A SqlBinary object. A SqlBinary object.

ToSqlGuid

public SqlGuid ToSqlGuid(); [C#] ToSqlGuid(); public: SqlGuid [C++]**Public** Function ToSqlGuid() SqlGuid [VB] As ToSqlGuid() function SqlGuid; [JScript] public

lee⊗hayes øk 509-324-9256 ' 904 MS1-864US.APP

Converts this instance of **System.Data.SqlTypes.SqlBinary** to **System.Data.SqlTypes.SqlGuid** .

ToString

[C#]	pub	olic	overrid	9	string		ToString();		
[C++]		public:		String*			ToString();		
[VB]	Override	s Publ	ic Fun	ction	ToStr	ing()	As	Stri	ing
[JScript]	public	override	function	ToStrin	g() :	String;	Con	verts	a
System.Data.SqlTypes.SqlBinary				to		a		strii	ng.

Description

Converts this System.Data.SqlTypes.SqlBinary object to a string.

Return Value: A string containing the System.Data.SqlTypes.SqlBinary.Value of the SqlBinary. If the Value is null the string will contain "null".

SqlBoolean structure (System.Data.SqlTypes)
ToString

Description

Represents an integer value that is either 1 or 0 to be stored in or retrieved from a database.

Any non-zero value is interpreted as 1.

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Represents a boolean stored in or retrieved from a database.

The key difference between a SqlBoolean structure and a standard boolean value is that, where a standard boolean has two possible values, true and false, a SqlBoolean structure has three possible values, System.Data.SqlTypes.SqlBoolean.True , System.Data.SqlTypes.SqlBoolean.False , or System.Data.SqlTypes.SqlBoolean.Null .

ToString

public static readonly SqlBoolean False; [C#] public: static SqlBoolean False; [C++][VB] Public Shared ReadOnly False As SqlBoolean SqlBoolean; [JScript] public static False var

Description

Represents a false value that can be assigned to the System.Data.SqlTypes.SqlBoolean.Value property of an instance of the System.Data.SqlTypes.SqlBoolean structure.

The System.Data.SqlTypes.SqlBoolean.False field is a constant for the System.Data.SqlTypes.SqlBoolean structure.

ToString

[C#]	public	static	readonly	S	qlBoolean	Null;
[C++]	public:		static	SqlBoolean		Null;
[VB]	Public	Shared	ReadOnly	Null	As	SqlBoolean
[JScript]	public	static	var	Null	:	SqlBoolean;

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Represents a null value that can be assigned to the System.Data.SqlTypes.SqlBoolean.Value property of an instance of the System.Data.SqlTypes.SqlBoolean structure.

The System.Data.SqlTypes.SqlBoolean.Null field is a constant for the System.Data.SqlTypes.SqlBoolean structure.

Description

Represents null value that be assigned the can System.Data.SqlTypes.SqlBoolean.ByteValue property the or System.Data.SqlTypes.SqlBoolean.BoolValue of of the an instance System.Data.SqlTypes.SqlBoolean structure.

System.Data.SqlTypes.SqlBoolean.Null functions as a constant for the System.Data.SqlTypes.SqlBoolean structure.

ToString

[C#]	public	static	readonly	S	qlBoolean	One;
[C++]	pu	ıblic:	static	SqlB	oolean	One;
[VB]	Public	Shared	ReadOnly	One	As	SqlBoolean

lee⊗hayes ≠ 509-324-9256 907 MS1-864US.APP

ıΔ
ū
J
IJ
П
m
: :

[JScript] public static SqlBoolean; One var 2 Description 3 Represents value that be assigned the a one can to 4 System.Data.SqlTypes.SqlBoolean.ByteValue property of an instance of the 5 System.Data.SqlTypes.SqlBoolean structure. 6 The System.Data.SqlTypes.SqlBoolean.One field is a constant for the 7 System.Data.SqlTypes.SqlBoolean structure. 8 **ToString** 9 10 readonly SqlBoolean [C#] public static True; 11 public: static SqlBoolean [C++]True; 12 [VB] **Public** Shared ReadOnly True As SqlBoolean 13 [JScript] public True SqlBoolean; static var 14 15 Description 16 Represents that be assigned the a true value can 17 System.Data.SqlTypes.SqlBoolean.Value property of an instance of the 18 System.Data.SqlTypes.SqlBoolean structure. 19 The System.Data.SqlTypes.SqlBoolean.True field is a constant for the 20 System.Data.SqlTypes.SqlBoolean structure. 21 **ToString** 22 23 SqlBoolean public static readonly Zero; [C#] 24 SqlBoolean [C++]public: static Zero;

[VB] **Public** Shared ReadOnly Zero As SqlBoolean Zero SqlBoolean; [JScript] public static var 2 3 Description 4 the value that be assigned Represents can zero 5 System.Data.SqlTypes.SqlBoolean.ByteValue property of an instance of the 6 System.Data.SqlTypes.SqlBoolean structure. 7 The System.Data.SqlTypes.SqlBoolean.Zero field is a constant for the 8 System.Data.SqlTypes.SqlBoolean structure. 9 SqlBoolean 10 Example Syntax: 11 **ToString** 12 13 public SqlBoolean(bool value); [C#] 14 SqlBoolean(bool value); [C++]public: 15 **Public** Sub value Boolean) [VB] New(ByVal As 16 [JScript] public function SqlBoolean(value : Boolean); Initializes a new instance 17 System.Data.SqlTypes.SqlBoolean of the structure. 18 19 Description 20 Initializes a new instance of the System.Data.SqlTypes.SqlBoolean 21 stored. with boolean value be structure to 22 a 23 Description 24 25

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Initializes a new instance of the System.Data.SqlTypes.SqlBoolean structure using the supplied boolean value. The boolean value to be stored. SqlBoolean Example Syntax: **ToString** [C#] SqlBoolean(int public value); SqlBoolean(int public: [C++]value); [VB] Public Sub New(ByVal value As Integer) [JScript] public function SqlBoolean(value int); Description Initializes a new instance of the System.Data.SqlTypes.SqlBoolean structure using the specified integer value. The integer whose value is to be used for the new SqlBoolean structure. ByteValue **ToString** ByteValue [C#] public byte {get;} public: [C++]property unsigned char get ByteValue(); [VB] ReadOnly Public **Property** ByteValue As Byte

Description

[JScript]

public

function

get

ByteValue()

Byte;

Gets the value of the System.Data.SqlTypes.SqlBoolean structure as a 1 byte. 2 The byte value will be either 0 or 1. 3 **IsFalse** 4 **ToString** 5 6 IsFalse public bool {get;} [C#] 7 bool get IsFalse(); public: [C++]property 8 [VB] **Public** ReadOnly **IsFalse** Boolean **Property** As 9 [JScript] Boolean; public function get IsFalse() 10 11 Description 12 Indicates whether the current System.Data.SqlTypes.SqlBoolean.Value is 13 System.Data.SqlTypes.SqlBoolean.False. 14 System.Data.SqlTypes.SqlBoolean.Value If the is 15 System.Data.SqlTypes.SqlBoolean.Null, this property still will be false. 16 IsNull 17 **ToString** 18 19 public bool IsNull {get;} [C#] 20 get_IsNull(); public: bool [C++]property 21 ReadOnly [VB] **Public** IsNull Boolean Property As 22 Boolean; public function IsNull() [JScript] get 23 24 Description 25

Indicates whether or not the value of the System.Data.SqlTypes.SqlBoolean structure is null.

Description

Indicates whether the current System.Data.SqlTypes.SqlBoolean.Value is System.Data.SqlTypes.SqlBoolean.Null .

IsTrue

ToString

[C#] public bool IsTrue {get;} public: [C++]property bool get IsTrue(); ReadOnly [VB] Public Property IsTrue Boolean As [JScript] public function IsTrue() Boolean; get

Description

 $\label{lem:current_system.Data.SqlTypes.SqlBoolean.Value} Indicates whether the current $System.Data.SqlTypes.SqlBoolean. True \:.$

If the **System.Data.SqlTypes.SqlBoolean.Value** is **System.Data.SqlTypes.SqlBoolean.Null**, this property still will be **false**.

Value

ToString

[C#] public bool Value {get;} [C++]public: property bool get Value(); Public ReadOnly Property Value Boolean [VB] As

[JScript] Boolean; public function Value() get 2 Description 3 Gets the System.Data.SqlTypes.SqlBoolean structure's value. This 4 property is read-only. 5 And 6 7 And(SqlBoolean [C#] SqlBoolean SqlBoolean public static х, y); 8 static SqlBoolean And(SqlBoolean SqlBoolean [C++]public: х, 9 [VB] Public Shared Function And(ByVal x As SqlBoolean, ByVal y As 10 SqlBoolean SqlBoolean) As 11 [JScript] public static function And(x : SqlBoolean, y : SqlBoolean) : SqlBoolean; 12 13 Description 14 Computes the bitwise **AND** of specified two 15 System.Data.SqlTypes.SqlBoolean structures. 16 Return Value: The result of the logical AND operation. A SqlBoolean structure. A 17 SqlBoolean structure. 18 CompareTo 19 20 public CompareTo(object value); [C#] int 21 CompareTo(Object* [C++]public: sealed int value); 22 [VB] NotOverridable Public Function CompareTo(ByVal value As Object) As 23 Integer 24 function CompareTo(value Object) [JScript] public int; 25

lee@hayes ptc 509-324-9256 913 MS1-864US.APP

Compares this **System.Data.SqlTypes.SqlBoolean** structure to a specified object and returns an indication of their relative values. *Return Value:* A signed number indicating the relative values of the instance and value.

Any instance of **SqlBoolean**, regardless of its value, is considered greater than a null reference (**Nothing**). An object to compare, or a null reference (**Nothing**in Visual Basic).

Equals

[C#] public override bool Equals(object value);
[C++] public: bool Equals(Object* value);
[VB] Overrides Public Function Equals(ByVal value As Object) As Boolean
[JScript] public override function Equals(value : Object) : Boolean;

Description

Compares the supplied object parameter to the System.Data.SqlTypes.SqlBoolean .

Return Value: true if object is an instance of System.Data.SqlTypes.SqlBoolean and the two are equal; otherwise false. The object to be compared.

Equals

[C#] public static new SqlBoolean Equals(SqlBoolean x, SqlBoolean y); [C++] public: static SqlBoolean Equals(SqlBoolean x, SqlBoolean y); [VB] Shadows Public Shared Function Equals(ByVal x As SqlBoolean, ByVal y As SqlBoolean) As SqlBoolean

[JScript] public static hide function Equals(x : SqlBoolean, y : SqlBoolean) :

SqlBoolean; Compares two System.Data.SqlTypes.SqlBoolean structures to determine if they are equal.

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Compares two System.Data.SqlTypes.SqlBoolean structures to determine if they equal. are System.Data.SqlTypes.SqlBoolean Return Value: Α that is System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If either instance of System.Data.SqlTypes.SqlBoolean null, the System.Data.SqlTypes.SqlBoolean.Value of the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A SqlBoolean structure. Α SqlBoolean structure.

GetHashCode

public override int GetHashCode(); [C#] public: GetHashCode(); [C++]int Overrides **Function** [VB] Public GetHashCode() As Integer function [JScript] public override GetHashCode() int;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Returns the hash code for this instance.

Return Value: A 32-bit signed integer hash code.

NotEquals

[C#] public static SqlBoolean NotEquals(SqlBoolean x, SqlBoolean y);
[C++] public: static SqlBoolean NotEquals(SqlBoolean x, SqlBoolean y);
[VB] Public Shared Function NotEquals(ByVal x As SqlBoolean, ByVal y As SqlBoolean)

As SqlBoolean
[JScript] public static function NotEquals(x : SqlBoolean, y : SqlBoolean) : SqlBoolean;

Description

Compares two instances of System.Data.SqlTypes.SqlBoolean for equality.

Value: Α System.Data.SqlTypes.SqlBoolean that is Return System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either the instance of System.Data.SqlTypes.SqlBoolean is null, of System.Data.SqlTypes.SqlBoolean.Value the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . Α SqlBoolean structure. Α SqlBoolean structure.

OnesComplement

[C#] public static SqlBoolean OnesComplement(SqlBoolean x);

1	[C++] public: static SqlBoolean OnesComplement(SqlBoolean x);
2	[VB] Public Shared Function OnesComplement(ByVal x As SqlBoolean) As
3	SqlBoolean
4	[JScript] public static function OnesComplement(x : SqlBoolean) : SqlBoolean;
5	
6	Description
7	Performs a one's complement operation on the supplied
8	System.Data.SqlTypes.SqlBoolean structures.
9	Return Value: The one's complement of the supplied
10	System.Data.SqlTypes.SqlBoolean . A SqlBoolean structure.
11	op_BitwiseAnd
12	
13	[C#] public static SqlBoolean operator &(SqlBoolean x, SqlBoolean y);
14	[C++] public: static SqlBoolean op_BitwiseAnd(SqlBoolean x, SqlBoolean y);
15	[VB] returnValue = SqlBoolean.op_BitwiseAnd(x, y)
16	[JScript] returnValue = x & y;
17	
18	Description
19	Performs a bitwise AND operation on two
20	System.Data.SqlTypes.SqlBoolean structures.
21	Return Value: A SqlBoolean structure that is the result of the bitwise AND
22	operation.
23	·
24	Description
25	

1	Computes the bitwise AND of two specified
2	System.Data.SqlTypes.SqlBoolean structures.
3	Return Value: The results of the logical AND operation. The SqlBoolean. The
4	SqlBoolean .
5	op_BitwiseOr
6	
7	[C#] public static SqlBoolean operator (SqlBoolean x, SqlBoolean y);
8	[C++] public: static SqlBoolean op_BitwiseOr(SqlBoolean x, SqlBoolean y);
9	[VB] returnValue = SqlBoolean.op_BitwiseOr(x, y)
10	[JScript] returnValue = x y;
11	
12	Description
13	Computes the bitwise OR of its operands.
14	Return Value: The results of the logical OR operation.
15	·
16	Description
17	Performs a bitwise OR operation on the two specified
18	System.Data.SqlTypes.SqlBoolean structures.
19	Return Value: A new SqlBoolean whose Value is the result of the bitwise OR
20	operation. A System.Data.SqlTypes.SqlBoolean structure. A
21	System.Data.SqlTypes.SqlBoolean structure.
22	op_Equality
23	
24	[C#] public static SqlBoolean operator ==(SqlBoolean x, SqlBoolean y);
25	[C++] public: static SqlBoolean op_Equality(SqlBoolean x, SqlBoolean y);

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

[VB] returnValue SqlBoolean.op Equality(x, = y) [JScript] returnValue Х у; Description Compares two instances of System.Data.SqlTypes.SqlBoolean equality. Value: System.Data.SqlTypes.SqlBoolean Return Α that is System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If either instance of System.Data.SqlTypes.SqlBoolean null, the System.Data.SqlTypes.SqlBoolean.Value of the.

System.Data.SqlTypes.SqlBoolean. A System.Data.SqlTypes.SqlBoolean.

will

be

Α

MS1-864US.APP

op ExclusiveOr

System.Data.SqlTypes.SqlBoolean

System.Data.SqlTypes.SqlBoolean.Null

[C#] public static SqlBoolean operator ^(SqlBoolean x, SqlBoolean y); [C++] public: static SqlBoolean op ExclusiveOr(SqlBoolean x, SqlBoolean y); [VB] returnValue SqlBoolean.op ExclusiveOr(x, y) [JScript] returnValue X у;

Description

Performs a bitwise exclusive-OR operation on the supplied parameters. Return Value: The results of the logical XOR operation. Α

1	System.Data.SqlTypes.SqlBoolean structure. A					
2	System.Data.SqlTypes.SqlBoolean structure.					
3	op_Explicit					
4						
5	[C#] public static explicit operator bool(SqlBoolean x);					
6	[C++] public: static bool op_Explicit();					
7	[VB] returnValue = SqlBoolean.op_Explicit(x)					
8	[JScript] returnValue = Boolean(x);					
9						
10	Description					
11	Converts a System.Data.SqlTypes.SqlBoolean to a boolean.					
12	Return Value: A boolean set to the System.Data.SqlTypes.SqlBoolean.Value of					
13	the SqlBoolean . A SqlBoolean to convert.					
14	op_Explicit					
15						
16	[C#] public static explicit operator SqlBoolean(SqlByte x);					
17	[C++] public: static SqlBoolean op_Explicit(SqlByte x);					
18	[VB] returnValue = SqlBoolean.op_Explicit(x)					
19	[JScript] returnValue = SqlBoolean(x);					
20						
21	Description					
22	Converts the System.Data.SqlTypes.SqlByte parameter to a					
23	System.Data.SqlTypes.SqlBoolean structure.					
24	Return Value: A new System.Data.SqlTypes.SqlBoolean structure whose value					
25	equals the System.Data.SqlTypes.SqlByte.Value of the					

1	System.Data.SqlTypes.SqlByte parameter. A System.Data.SqlTypes.SqlByte to
2	be converted to a System.Data.SqlTypes.SqlBoolean structure.
3	op_Explicit
4	
5	[C#] public static explicit operator SqlBoolean(SqlDecimal x);
6	[C++] public: static SqlBoolean op_Explicit(SqlDecimal x);
. ,	[VB] returnValue = SqlBoolean.op_Explicit(x)
8	[JScript] returnValue = SqlBoolean(x);
9	
10	Description
11	Converts the System.Data.SqlTypes.SqlDecimal parameter to a
12	System.Data.SqlTypes.SqlBoolean structure.
13	Return Value: A new System.Data.SqlTypes.SqlByte structure whose value
14	equals the System.Data.SqlTypes.SqlDecimal.Value property of the
15	System.Data.SqlTypes.SqlDecimal parameter. A
16	System.Data.SqlTypes.SqlDecimal to be converted to a
17	System.Data.SqlTypes.SqlBoolean structure.
18	op_Explicit
19	
20	[C#] public static explicit operator SqlBoolean(SqlDouble x);
21	[C++] public: static SqlBoolean op_Explicit(SqlDouble x);
22	[VB] returnValue = SqlBoolean.op_Explicit(x)
23	[JScript] returnValue = SqlBoolean(x);
24	
25	Description

921 MS1-864US.APP

1	Converts the System.Data.SqlTypes.SqlDouble parameter to a
2	System.Data.SqlTypes.SqlBoolean structure.
3	Return Value: A new SqlBoolean structure whose value equals the
4	System.Data.SqlTypes.SqlDouble.Value property of the SqlDouble parameter.
5	A SqlDouble to be converted to a SqlBoolean structure.
6	op_Explicit
7	
8	[C#] public static explicit operator SqlBoolean(SqlInt16 x);
9	[C++] public: static SqlBoolean op_Explicit(SqlInt16 x);
10	[VB] returnValue = SqlBoolean.op_Explicit(x)
11	[JScript] returnValue = SqlBoolean(x);
12	
13	Description
14	Converts the System.Data.SqlTypes.SqlInt16 parameter to a
15	System.Data.SqlTypes.SqlBoolean structure.
16	Return Value: A new SqlBoolean structure whose value equals the
17	System.Data.SqlTypes.SqlInt16.Value property of the SqlInt16 parameter. A
18	SqlInt16 to be converted to a SqlBoolean structure.
19	op_Explicit
20	
21	[C#] public static explicit operator SqlBoolean(SqlInt32 x);
22	[C++] public: static SqlBoolean op_Explicit(SqlInt32 x);
23	[VB] returnValue = SqlBoolean.op_Explicit(x)
24	[JScript] returnValue = SqlBoolean(x);
25	

lee@hayes ≠ 509-324-9256 922 MS1-864US.APP

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Converts the System.Data.SqlTypes.SqlInt32 parameter to a System.Data.SqlTypes.SqlBoolean structure.

Return Value: A new SqlBoolean structure whose value equals the System.Data.SqlTypes.SqlInt32.Value property of the SqlInt32 parameter. A SqlInt32 to be converted to a SqlBoolean structure.

op Explicit

[C#] public static explicit operator SqlBoolean(SqlInt64 x); op Explicit(SqlInt64 [C++]public: static SqlBoolean x); returnValue SqlBoolean.op Explicit(x) [VB] [JScript] returnValue SqlBoolean(x);

Description

System.Data.SqlTypes.SqlBoolean structure whose value equals the System.Data.SqlTypes.SqlInt64.Value property of the SqlInt64 parameter. A SqlInt64 to be converted to a SqlBoolean structure.

System.Data.SqlTypes.SqlInt64

parameter

a

op Explicit

Converts

the

SqlBoolean(SqlMoney public explicit operator [C#] static x); SqlBoolean op Explicit(SqlMoney [C++]public: static x); SqlBoolean.op Explicit(x) [VB] returnValue

lee⊗hayes pt 509-324-9256 923 MS1-864US.APP

[JScript] returnValue SqlBoolean(x); 2 Description 3 System.Data.SqlTypes.SqlMoney Converts the parameter a 4 System.Data.SqlTypes.SqlBoolean structure. 5 Return Value: A new System.Data.SqlTypes.SqlByte structure whose value 6 System.Data.SqlTypes.SqlMoney.Value equals the property the 7 System.Data.SqlTypes.SqlMoney Α parameter. 8 System.Data.SqlTypes.SqlMoney be converted to to a 9 System.Data.SqlTypes.SqlBoolean structure. 10 op Explicit 11 12 public explicit SqlBoolean(SqlSingle [C#] static operator x); 13 [C++]public: static SqlBoolean op Explicit(SqlSingle x); 14 returnValue SqlBoolean.op Explicit(x) [VB] 15 [JScript] returnValue SqlBoolean(x); 16 17 Description 18 System.Data.SqlTypes.SqlSingle Converts the parameter a 19 System.Data.SqlTypes.SqlBoolean structure. 20 Return Value: A new SqlBoolean structure whose value equals the 21 System.Data.SqlTypes.SqlSingle.Value property of the SqlSingle parameter. A 22 SqlSingle to be converted to a SqlBoolean structure. 23 op Explicit 24

[C#]	public	static	explicit	operator	SqlBoolean(SqlString		x);
[C++]	public	: sta	tic Sql	Boolean	op_Explicit(SqlString		x);
[VB]	B] returnValue		=	Sql	Boolean.op_Explic	cit(x)	
[JScript]	Script] retu		rnValue		=	SqlBoolea	n(x);

Converts

the

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlString System.Data.SqlTypes.SqlBoolean structure. Return Value: A new System.Data.SqlTypes.SqlByte structure whose value System.Data.SqlTypes.SqlBoolean.Value the property the equals System.Data.SqlTypes.SqlBoolean A parameter. System.Data.SqlTypes.SqlString to be converted to a System.Data.SqlTypes.SqlBoolean structure.

parameter

a

op False

```
false(SqlBoolean
[C#]
         public
                     static
                                bool
                                         operator
                                                                             x);
[C++]
            public:
                          static
                                      bool
                                                 op False(SqlBoolean
                                                                             x);
                                                        SqlBoolean.op_False(x)
[VB]
                 returnValue
```

Description

The false the operator can be used to test System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean to determine whether it is false.

925 MS1-864US.APP lee@hayes pt 509-324-9256

1	Return Value: Returns true if the supplied parameter is SqlBoolean is false, false
2	otherwise. The System.Data.SqlTypes.SqlBoolean structure to be tested.
3	op_Implicit
4	
5	[C#] public static implicit operator SqlBoolean(bool x);
6	[C++] public: static SqlBoolean op_Implicit(bool x);
7	[VB] returnValue = SqlBoolean.op_Implicit(x)
8	[JScript] returnValue = x;
9	
10	Description
11	Converts the supplied byte value to a System.Data.SqlTypes.SqlBoolean .
12	Return Value: A System.Data.SqlTypes.SqlBoolean value containing 0 or 1.
13	
14	Description
15	Converts a boolean to a System.Data.SqlTypes.SqlBoolean .
16	Return Value: A SqlBoolean with a System.Data.SqlTypes.SqlBoolean.Value
17	equivalent to the parameter. A byte value to be converted to
18	System.Data.SqlTypes.SqlBoolean.
19	op_Inequality
20	
21	[C#] public static SqlBoolean operator !=(SqlBoolean x, SqlBoolean y);
22	[C++] public: static SqlBoolean op_Inequality(SqlBoolean x, SqlBoolean y);
23	[VB] returnValue = SqlBoolean.op_Inequality(x, y)
24	[JScript] returnValue = x != y;
25	

1	
2	Description
3	Compares two instances of System.Data.SqlTypes.SqlBoolean for
4	equality.
5	Return Value: A System.Data.SqlTypes.SqlBoolean that is
6	System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or
7	System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either
8	instance of System.Data.SqlTypes.SqlBoolean is null, the
9	System.Data.SqlTypes.SqlBoolean.Value of the
10	System.Data.SqlTypes.SqlBoolean will be
11	System.Data.SqlTypes.SqlBoolean.Null . A
12	System.Data.SqlTypes.SqlBoolean. A System.Data.SqlTypes.SqlBoolean.
13	op_LogicalNot
14	
15	[C#] public static SqlBoolean operator !(SqlBoolean x):
16	[C++] public: static SqlBoolean op_LogicalNot(SqlBoolean x);
17	[VB] returnValue = SqlBoolean.op_LogicalNot(x)
18	[JScript] returnValue = !x;
19	
20	Description
21	Performs a NOT operation on a System.Data.SqlTypes.SqlBoolean
22	Return Value: A SqlBoolean with the
23	System.Data.SqlTypes.SqlBoolean.ValueSystem.Data.SqlTypes.SqlBoolean.T
24	rue if argument was true, System.Data.SqlTypes.SqlBoolean.Null if argument
25	

was nul	l, and	System.D	ata.SqlTy	pes.S	qlBoole	an.False	other	wise.	The
SqlBoolea	n on whi	ich the NO	Γ operation	ı will	be perfo	rmed.			
op_	OnesCo	mplement							
[C#]	oublic	static	SqlBoole	an	operate	or ~(SqlBool	ean	x);
[C++] I	oublic:	static Sq	lBoolean	op_	OnesCo	mplemer	nt(SqlBo	olean	x);
[VB]	retur	nValue	=	5	SqlBool	ean.op_C	nesCon	npleme	nt(x)
[JScript]		ret	turnValue			=			~x;
Description	n								
Per	forms	a one's	comple	ment	opera	tion o	n the	sup	plied
System.D	ata.SqlT	ypes.SqlBo	oolean				•	struct	ures.
Return	Value:	The	one's	com	plement	of	the	sup	plied
System.D	ata.SqlT	ypes.SqlBo	oolean .	A	System.	Data.Sq	lTypes.	SqlBoo	lean
structure.									
op_	True								
•									
[C#]	public	static	bool	ope	erator	true(S	SqlBoole	ean	x);
[C++]	public	e: sta	itic 1	oool	op	_True(So	ηlBoolea	n	x);
[VB]	1	returnValue	;	=		Sqll	Boolean.	op_Trı	ıe(x)
					•				
Description	n								
The	e true	e opera	tor ca	n	be	used	to	test	the

lee@hayes # 50-124-9256 928 MS1-864US.APP

determine

of

whether

it

is

the

true.

System. Data. Sql Types. Sql Boolean. Value

System.Data.SqlTypes.SqlBoolean to

1	Return Value: Returns true if the supplied parameter is SqlBoolean is true, false								
2	otherwise. The SqlBoolean structure to be tested.								
3	Or								
4									
5	[C#] public static SqlBoolean Or(SqlBoolean x, SqlBoolean y);								
6	[C++] public: static SqlBoolean Or(SqlBoolean x, SqlBoolean y);								
7	[VB] Public Shared Function Or(ByVal x As SqlBoolean, ByVal y As								
8	SqlBoolean As SqlBoolean								
9	[JScript] public static function Or(x : SqlBoolean, y : SqlBoolean) : SqlBoolean;								
10									
11	Description								
12	Performs a bitwise OR operation on the two specified								
13	System.Data.SqlTypes.SqlBoolean structures.								
14	Return Value: A new SqlBoolean structure whose Value is the result of the								
15	bitwise OR operation. A SqlBoolean structure. A SqlBoolean structure.								
16	Parse								
17									
18	[C#] public static SqlBoolean Parse(string s);								
19	[C++] public: static SqlBoolean Parse(String* s);								
20	[VB] Public Shared Function Parse(ByVal s As String) As SqlBoolean								
21	[JScript] public static function Parse(s : String) : SqlBoolean;								
22									
23	Description								
24	[.][.]								
25	ToSqlByte								

lee@hayes pix 509-324-9256 929 MS1-864US.APP

[C#]	public		SqlByte		ToSqlByte();
[C++]	public:		SqlByte		ToSqlByte();
[VB]	Public	Function	ToSqlByte()	As	SqlByte
[JScript]	public	function	ToSqlByte()	:	SqlByte;

Converts this **System.Data.SqlTypes.SqlBoolean** structure to **System.Data.SqlTypes.SqlByte**

Return Value: A SqlByte structure whose Value equals the Value of this SqlBoolean structure. If the SqlBoolean structure's Value is true, then the SqlByte structure's Value will be 1, otherwise the SqlByte structure's Value will be 0.

ToSqlDecimal

[C#]	public		SqlDecimal	Te	oSqlDecimal();
[C++]	public:		SqlDecimal	ToSqlDecimal	
[VB]	Public	Function	ToSqlDecimal()	As	SqlDecimal
[JScript]	public	function	ToSqlDecimal()	:	SqlDecimal;

Description

Converts this **System.Data.SqlTypes.SqlBoolean** structure to **System.Data.SqlTypes.SqlDecimal** .

Return Value: A new SqlDecimal structure whose Value equals 1 if the

lee@hayes ≠ 509-324-9256 930 MS1-864US.APP

SqlBoolean structure's Value was true, otherwise the Value of the new SqlDecimal structure is 0.

ToSqlDouble

[C#]	public		SqlDouble	ToSqlDouble();		
[C++]	public:		SqlDouble	ToSqlDouble();		
[VB]	Public	Function	ToSqlDouble()	As	SqlDouble	
[JScript]	public	function	ToSqlDouble()	:	SqlDouble;	

Description

Converts this **System.Data.SqlTypes.SqlBoolean** structure to **System.Data.SqlTypes.SqlDouble** .

Return Value: A new SqlDouble structure whose Value equals 1 if the SqlBoolean structure's Value was true, otherwise the Value of the new SqlDouble structure is 0.

ToSqlInt16

[C#]	public		SqlInt16		ToSqlInt16();
[C++]	public:		SqlInt16		ToSqlInt16();
[VB]	Public	Function	ToSqlInt16()	As	SqlInt16
[JScript]	public	function	ToSqlInt16()	:	SqlInt16;

Description

Converts this **System.Data.SqlTypes.SqlBoolean** structure to **System.Data.SqlTypes.SqlInt16** .

Return Value: A new SqlInt16 structure whose Value equals 1 if the SqlBoolean structure's Value was true, otherwise the Value of the new SqlInt16 structure is 0.

ToSqlInt32

[C#]	public		SqlInt32	ToSqlInt32	
[C++]	public:		SqlInt32		ToSqlInt32();
[VB]	Public	Function	ToSqlInt32()	As	SqlInt32
[[Script]	nublic	function	ToSalInt32()	•	SalInt32

Description

Converts this **System.Data.SqlTypes.SqlBoolean** structure to **System.Data.SqlTypes.SqlInt32** .

Return Value: A new SqlInt32 structure whose Value equals 1 if the SqlBoolean structure's Value was true, otherwise the Value of the new SqlInt32 structure is 0.

ToSqlInt64

[C#]	public		SqlInt64		ToSqlInt64();		
[C++]	public:		SqlInt64		ToSqlInt64();		
[VB]	Public	Function	ToSqlInt64()	As	SqlInt64		
[JScript]	public	function	ToSqlInt64()	:	SqlInt64;		

Description

1	Cor	nverts this	System.Da	ta.SqlTypes.SqlBoo	lean	structure	to			
2	System.Data.SqlTypes.SqlInt64									
3	Return Value: A new SqlInt64 structure whose Value equals 1 if the SqlBoolean									
4	structure's Value was true, otherwise the Value of the new SqlInt64 structure is									
5	0.									
6	ToSqlMoney									
7										
8	[C#]	pul	olic	SqlMoney		ToSqlMone	y();			
9	[C++]	pu	blic:	SqlMoney		ToSqlMone	y();			
10	[VB]	Public	Function	ToSqlMoney()	As	SqlMo	ney			
11	[JScript]	public	function	ToSqlMoney()	:	SqlMor	ney;			
12										
13	Descriptio	n								
14	Cor	nverts this	System.Da	ta.SqlTypes.SqlBoo	lean	structure	to			
15	System.Da	ata.SqlType:	s.SqlMoney .							
16	ToS	SqlSingle								
17										
18	[C#]	pu	blic	SqlSingle		ToSqlSingl	e();			
19	[C++]	pι	ıblic:	SqlSingle		ToSqlSingl	e();			
20	[VB]	Public	Function	ToSqlSingle()	As	SqlSir	ngle			
21	[JScript]	public	function	ToSqlSingle()	:	SqlSin	gle;			
22										
23	Descriptio	n								
24	Cor	nverts this	System.Da	ta.SqlTypes.SqlBool	lean	structure	to			
25	System.Da	ata.SqlTypes	s.SqlSingle				•			

Return Value: A new SqlSingle structure whose Value equals 1 if the SqlBoolean structure's Value was true, otherwise the Value of the new SqlSingle structure is 0.

ToSqlString

[C#]	public		SqlString	•	ToSqlString();	
[C++]	public:		SqlString	i	ToSqlString();	
[VB]	Public	Function	ToSqlString()	As	SqlString	
[JScript]	public	function	ToSqlString()	:	SqlString;	

Description

Converts this **System.Data.SqlTypes.SqlBoolean** structure to **System.Data.SqlTypes.SqlString** .

Return Value: A new SqlString structure whose Value equals 1 if the SqlBoolean structure's Value was true, otherwise the Value of the new SqlDouble structure is 0.

ToString

[C#]	public		override	string	7	ToString();
[C++]		public:	•	String*	7	ΓoString();
[VB]	Overrides	Public	Function	ToString()	As	String
[JScript]	public	override	e function	n ToString()	:	String;

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Converts the current System.Data.SqlTypes.SqlBoolean.Value to a string. Return Value: A string containing "true" if true, "null" if null, otherwise "false". Description Converts this System.Data.SqlTypes.SqlBoolean structure to a string. Value: string containing value Return the of the System.Data.SqlTypes.SqlBoolean . If the value is null the string will contain "null". Xor public static SqlBoolean Xor(SqlBoolean [C#] SqlBoolean X, y); [C++] public: static SqlBoolean Xor(SqlBoolean SqlBoolean x, y); [VB] Public Shared Function Xor(ByVal x As SqlBoolean, ByVal y As SqlBoolean) As SqlBoolean [JScript] public static function Xor(x : SqlBoolean, y : SqlBoolean) : SqlBoolean; Description Performs a bitwise exclusive-OR operation on the supplied parameters. Return Value: The results of the logical XOR operation. A SqlBoolean structure. SqlByte structure (System.Data.SqlTypes) Xor

Description

Represents an 8-bit unsigned integer, in the range of 0 through 255, to be stored in or retrieved from a database.

Xor

[C#]	public	static	readonly	SqlByte		MaxValue;
[C++]	publ	ic:	static	SqlByte		MaxValue;
[VB]	Public	Shared	ReadOnly	MaxValue	As	SqlByte
[JScript]	public	static	var	MaxValue	:	SqlByte;

Description

A constant representing the largest possible value of a System.Data.SqlTypes.SqlByte.

The value of this constant is 255 or, hexadecimal 0xFF.

Xor

[C#]	public	static	readonly	SqlByte		MinValue;
[C++]	public:		static	SqlByte		MinValue;
[VB]	Public	Shared	ReadOnly	MinValue	As	SqlByte
[JScript]	public	static	var	MinValue	:	SqlByte;

Description

A constant representing the smallest possible value of a System.Data.SqlTypes.SqlByte.

The value of this constant is 0.

Xor

[C#]	public	static	readonly	S	SqlByte	Null;
[C++]	public:		static	SqlByte		Null;
[VB]	Public	Shared	ReadOnly	Null	As	SqlByte
[JScript]	public	static	var	Null	: .	SqlByte;

Description

Represents a null value that can be assigned to the System.Data.SqlTypes.SqlByte.Value property of an instance of the System.Data.SqlTypes.SqlByte structure.

Null functions as a constant for the SqlByte structure.

Xor

[C#]	public	static	readonly		SqlByte	Zero;
[C++]	public:		static	SqlByte		Zero;
[VB]	Public	Shared	ReadOnly	Zero	As	SqlByte
[JScript]	public	static	var	Zero	•	SqlByte;

Description

Represents a zero value that can be assigned to the System.Data.SqlTypes.SqlByte.Value property of an instance of the System.Data.SqlTypes.SqlByte structure.

The System.Data.SqlTypes.SqlByte.Zero field is a constant for the System.Data.SqlTypes.SqlByte structure.

SqlByte

Example Syntax: Xor 2 3 [C#] SqlByte(byte value); public SqlByte(unsigned char value); [C++]public: 5 New(ByVal **Public** Sub value As Byte) [VB] 6 SqlByte(value [JScript] public function Byte); 7 8 Description 9 Initializes a new instance of the System.Data.SqlTypes.SqlByte structure 10 using the specified byte value. A byte value to be stored in the 11 System.Data.SqlTypes.SqlByte.Value property of the new SqlByte structure. 12 IsNull 13 Xor 14 15 {get;} [C#] bool IsNull public 16 get IsNull(); public: bool [C++]property 17 ReadOnly [VB] Property Boolean Public IsNull As 18 Boolean; function IsNull() [JScript] public : get 19 20 Description 21 Indicates whether or not System.Data.SqlTypes.SqlByte.Value is null. 22 Value 23 Xor 24

ū
ū
IJ
n
(T
£1
1,1
÷
4

1	
2	[C#] public byte Value {get;}
3	[C++] public:property unsigned char get_Value();
4	[VB] Public ReadOnly Property Value As Byte
5	[JScript] public function get Value() : Byte;
6	
7	Description
8	Gets the value of the System.Data.SqlTypes.SqlByte structure. This
9	property is read-only The value of the SqlByte structure.
10	Add
11	
12	[C#] public static SqlByte Add(SqlByte x, SqlByte y);
13	[C++] public: static SqlByte Add(SqlByte x, SqlByte y);
14	[VB] Public Shared Function Add(ByVal x As SqlByte, ByVal y As SqlByte) As
15	SqlByte
16	[JScript] public static function Add(x : SqlByte, y : SqlByte) : SqlByte;
17	
18	Description
19	Computes the sum of the two specified System.Data.SqlTypes.SqlByte
20	structures.
21	Return Value: A SqlByte structure whose Value property contains the results of
22	the addition. A SqlByte structure. A SqlByte structure.
23	BitwiseAnd
24	
25	[C#] public static SqlByte BitwiseAnd(SqlByte x, SqlByte y);

1	[C++] public: static SqlByte BitwiseAnd(SqlByte x, SqlByte y);
2	[VB] Public Shared Function BitwiseAnd(ByVal x As SqlByte, ByVal y As
3	SqlByte) As SqlByte
4	[JScript] public static function BitwiseAnd(x : SqlByte, y : SqlByte) : SqlByte;
5	
6	Description
7	Computes the bitwise AND of its System.Data.SqlTypes.SqlByte
8	operands.
9	Return Value: The results of the bitwise AND operation. A SqlByte structure. A
10	SqlByte structure.
11	BitwiseOr
12	· .
13	[C#] public static SqlByte BitwiseOr(SqlByte x, SqlByte y);
14	[C++] public: static SqlByte BitwiseOr(SqlByte x, SqlByte y);
15	[VB] Public Shared Function BitwiseOr(ByVal x As SqlByte, ByVal y As
16	SqlByte) As SqlByte
17	[JScript] public static function BitwiseOr(x : SqlByte, y : SqlByte) : SqlByte;
18	
19	Description
20	Computes the bitwise OR of its two System.Data.SqlTypes.SqlByte
21	operands.
22	Return Value: The results of the bitwise OR operation. A SqlByte structure. A
23	SqlByte structure.
_ ,	CompareTo

CompareTo(object [C#] public value); int CompareTo(Object* [C++]public: sealed int value); [VB] NotOverridable Public Function CompareTo(ByVal value As Object) As Integer CompareTo(value Object) [JScript] public function int;

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Compares this instance to the supplied object and returns an indication of their relative values.

Return Value: A signed number indicating the relative values of the instance and the object. The object to be compared.

Divide

public SqlByte Divide(SqlByte SqlByte [C#] static x, y); [C++]public: static SqlByte Divide(SqlByte SqlByte X, y); [VB] Public Shared Function Divide(ByVal x As SqlByte, ByVal y As SqlByte) As SqlByte [JScript] public static function Divide(x : SqlByte, y : SqlByte) : SqlByte;

Description

Divides its first System.Data.SqlTypes.SqlByte operand by its second.

Return Value: A new SqlByte structure whose

System.Data.SqlTypes.SqlByte.Value property contains the results of the division. A SqlByte structure. A SqlByte structure.

lee@hayes pk 519-324-926 941 MS1-864US.APP

Equals

2

6

7

8

9

11

13

15

17

16

19

18

20 21

22

24

25

[C#] public override bool Equals(object value);
[C++] public: bool Equals(Object* value);
[VB] Overrides Public Function Equals(ByVal value As Object) As Boolean

[JScript] public override function Equals(value : Object) : Boolean;

Description

Compares the supplied object parameter to the System.Data.SqlTypes.SqlByte.Value property of the System.Data.SqlTypes.SqlByte object.

Return Value: true if object is an instance of SqlByte and the two are equal; otherwise false. The object to be compared.

Equals

[C#] public static SqlBoolean Equals(SqlByte x, SqlByte new y); SqlBoolean [C++]public: static Equals(SqlByte SqlByte y); х, [VB] Shadows Public Shared Function Equals(ByVal x As SqlByte, ByVal y As SqlByte) SqlBoolean As -[JScript] public static hide function Equals(x : SqlByte, y : SqlByte) : SqlBoolean; Performs a logical comparison to determine if a SqlByte structure's value is equal another object. to

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Performs a logical comparison of two System.Data.SqlTypes.SqlByte determine if they equal. structures to are System.Data.SqlTypes.SqlBoolean that is Return Value: Α System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If either instance of SqlByte is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlByte structure. A SqlByte structure.

GetHashCode

GetHashCode(); override int public [C#] GetHashCode(); public: int [C++]Overrides Public **Function** GetHashCode() As Integer [VB] function GetHashCode() [JScript] public override int;

Description

Returns the hash code for this instance.

Return Value: A 32-bit signed integer hash code.

GreaterThan

GreaterThan(SqlByte [C#] public static SqlBoolean х, SqlByte y); [C++] public: SqlBoolean GreaterThan(SqlByte SqlByte static х, [VB] Public Shared Function GreaterThan(ByVal x As SqlByte, ByVal y As SqlBoolean SqlByte) As [JScript] public static function GreaterThan(x : SqlByte, y : SqlByte) :

SqlBoolean;

2

3

Description

5

8 9

10 11

12

13

14

15

16 17

18

19 20

21

22

23

24 25

Compares two instances of System. Data. Sql Types. Sql Byte to determine if first than the second. the is greater System.Data.SqlTypes.SqlBoolean Value: that is Return Α System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlByte is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlByte structure. A SqlByte structure.

GreaterThanOrEqual

[C#] public static SqlBoolean GreaterThanOrEqual(SqlByte x, SqlByte y); [C++] public: static SqlBoolean GreaterThanOrEqual(SqlByte x, SqlByte y); [VB] Public Shared Function GreaterThanOrEqual(ByVal x As SqlByte, ByVal y SqlBoolean As SqlByte) As [JScript] public static function GreaterThanOrEqual(x : SqlByte, y : SqlByte) : SqlBoolean;

Description

Compares two SqlByte structures to determine if the first is greater than or the second. equal to Value: System.Data.SqlTypes.SqlBoolean Α that is Return System.Data.SqlTypes.SqlBoolean.True if the first instance is greaater than or

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False If of **SqlByte** is null, either instance the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlByte structure. A SqlByte structure.

LessThan

LessThan(SqlByte SqlBoolean SqlByte [C#] public static X, y); static SqlBoolean LessThan(SqlByte [C++]public: SqlByte X, y); [VB] Public Shared Function LessThan(ByVal x As SqlByte, ByVal y As SqlBoolean As SqlByte) [JScript] public static function LessThan(x : SqlByte, y : SqlByte) : SqlBoolean;

Description

Compares two instances of System.Data.SqlTypes.SqlByte to determine if first is less than the second. the Value: Α System.Data.SqlTypes.SqlBoolean that is Return System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlByte is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlByte structure. A SqlByte structure.

LessThanOrEqual

[C#] public static SqlBoolean LessThanOrEqual(SqlByte x, SqlByte y);

[C++]	public:	static	SqlBoolean	LessThanO	rEqual(SqlByte	x,	SqlByte	y);
[VB] P	ublic Sha	ared Fu	nction LessT	hanOrEqual(ByVal x As Sq	lByte	e, ByVal y	' As
SqlByte	e)			As			SqlBool	ean
[JScrip	t] public	static	function Le	essThanOrEqu	ual(x : SqlByt	е, у	: SqlByte	e) :
SqlBoo	lean;							

Description

Compares two instances of System.Data.SqlTypes.SqlByte to determine if the first is less than or equal to the second. A SqlByte structure. A SqlByte structure.

Mod

[C#]	public	static	SqlByte	Mod(SqlByte	х,	SqlByte	y);
[C++]	public:	static	SqlByte	Mod(SqlByte	х,	SqlByte	y);
[VB] Pu	blic Shared	d Function	Mod(ByVal	x As SqlByte, I	ByVal y	As SqlByte)	As
SqlByte							

[JScript] public static function Mod(x : SqlByte, y : SqlByte) : SqlByte;

Description

Computes the remainder after dividing its first System.Data.SqlTypes.SqlByte operand by its second.

Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value contains the remainder. A SqlByte structure. A SqlByte structure.

Multiply

[C#]	public	static	SqlByte	Multiply(SqlByte	х,	SqlByte	y);
[C++]	public:	static	SqlByte	Multiply(SqlByte	х,	SqlByte	y);
[VB] Po	ublic Share	ed Function	on Multiply(ByVal x As SqlByte	, ByVa	ıl y As SqlB	lyte)
As						Sql	Byte
[JScript	:] public s	static fun	ction Multi	ply(x : SqlByte, y	SqlB	yte) : SqlE	}yte;

Description

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Computes the product of the two System.Data.SqlTypes.SqlByte operands.

Return Value: A new SqlByte structure whose System.Data.SqlTypes.SqlByte.Value property contains the product of the multiplication. A SqlByte structure. A SqlByte structure.

NotEquals

[C#] public static SqlBoolean NotEquals(SqlByte SqlByte y); X, [C++]public: static SqlBoolean NotEquals(SqlByte SqlByte [VB] Public Shared Function NotEquals(ByVal x As SqlByte, ByVal y As SqlBoolean SqlByte) As [JScript] public static function NotEquals(x : SqlByte, y : SqlByte) : SqlBoolean;

Description

Compares two instances of System.Data.SqlTypes.SqlByte for equality.

Return Value: A System.Data.SqlTypes.SqlBoolean that is

System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either instance of SqlByte is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlByte structure. A SqlByte structure.

OnesComplement

[C#] public static SqlByte OnesComplement(SqlByte x);
[C++] public: static SqlByte OnesComplement(SqlByte x);
[VB] Public Shared Function OnesComplement(ByVal x As SqlByte) As SqlByte
[JScript] public static function OnesComplement(x : SqlByte) : SqlByte;

Description

The ones complement operator performs a bitwise one's complement operation on its System.Data.SqlTypes.SqlByte operand.

Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value property contains the ones complement of the SqlByte parameter. A SqlByte structure.

op_Addition

operator public static SqlByte +(SqlByte SqlByte [C#] х, y); static [C++] public: SqlByte op Addition(SqlByte SqlByte X, y); SqlByte.op Addition(x, returnValue [VB] y) [JScript] returnValue X у;

Description

1	Computes the sum of the two specified System.Data.SqlTypes.SqlByte
2	structures.
3	Return Value: A SqlByte whose System.Data.SqlTypes.SqlByte.Value property
4	contains the sum of the two operands. A SqlByte structure. A SqlByte structure.
5	op_BitwiseAnd
6	·
7	[C#] public static SqlByte operator &(SqlByte x, SqlByte y);
8	[C++] public: static SqlByte op_BitwiseAnd(SqlByte x, SqlByte y);
9	[VB] returnValue = SqlByte.op_BitwiseAnd(x, y)
10	[JScript] returnValue = x & y;
11	
12	Description
13	Computes the bitwise AND of its System.Data.SqlTypes.SqlByte
14	operands.
15	Return Value: The results of the bitwise AND operation. A SqlByte structure. A
16	SqlByte structure.
17	op_BitwiseOr
18	
19	[C#] public static SqlByte operator (SqlByte x, SqlByte y);
20	[C++] public: static SqlByte op_BitwiseOr(SqlByte x, SqlByte y);
21	[VB] returnValue = SqlByte.op_BitwiseOr(x, y)
22	[JScript] returnValue = x y;
23	
24	Description
25	

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Computes the bitwise OR of its two System.Data.SqlTypes.SqlByte operands. Return Value: The results of the bitwise OR operation. A SqlByte structure. A SqlByte structure. op Division public static SqlByte operator /(SqlByte [C#] X, SqlByte y); SqlByte op Division(SqlByte [C++]public: static SqlByte х, y); [VB] returnValue SqlByte.op Division(x, y) [JScript] returnValue X y; Description Divides its first System.Data.SqlTypes.SqlByte operand by its second. Return Value: Α new **SqlByte** structure whose System.Data.SqlTypes.SqlByte.Value property contains the results of the division. A SqlByte structure. A SqlByte structure. op Equality [C#] public static SqlBoolean operator ==(SqlByte x, SqlByte y); [C++] public: static SqlBoolean op Equality(SqlByte x, SqlByte y); [VB] returnValue SqlByte.op Equality(x, y) [JScript] returnValue

Description

 \mathbf{X}

у;

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Performs a logical comparison of two System.Data.SqlTypes.SqlByte if determine they are equal. structures to System.Data.SqlTypes.SqlBoolean Value: that is Return Α System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If either instance of SqlByte is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlByte structure. A SqlByte structure.

op ExclusiveOr

```
SqlByte
                                    operator
                                               ^(SqlByte
                                                                 SqlByte
[C#]
       public
                static
                                                                            y);
                                                            х,
                         SqlByte
                                   op ExclusiveOr(SqlByte x,
[C++]
        public:
                 static
                                                                 SqlByte
                                                                            y);
             returnValue
                                          SqlByte.op ExclusiveOr(x,
[VB]
                                                                            y)
                  returnValue
[JScript]
                                                     X
                                                                            у;
```

Description

Performs a bitwise exclusive-OR operation on the supplied parameters.

Return Value: The results of the bitwise XOR operation. A SqlByte structure. A

SqlByte structure.

op_Explicit

explicit SqlByte(SqlBoolean public static operator x); [C#] op Explicit(SqlBoolean SqlByte [C++]public: static x); returnValue SqlByte.op Explicit(x) [VB] SqlByte(x);[JScript] returnValue

lee@hayes ptc 509-3249256 951

MS1-R64US.APP

Description Conv

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Converts the **System.Data.SqlTypes.SqlBoolean** parameter to a **System.Data.SqlTypes.SqlByte**

Return Value: A SqlByte whose System.Data.SqlTypes.SqlByte.Value property equals the System.Data.SqlTypes.SqlBit.ByteValue of the supplied SqlBoolean parameter. The SqlBoolean parameter to be converted to a SqlByte.

op_Explicit

[C#] public explicit byte(SqlByte static operator x); [C++]public: static unsigned char op_Explicit(); [VB] returnValue SqlByte.op Explicit(x) [JScript] returnValue Byte(x);

Description

Converts the supplied System.Data.SqlTypes.SqlByte structure to a byte.

Return Value: A byte whose value equals the System.Data.SqlTypes.SqlByte.Value property of the SqlByte parameter. The SqlByte structure to be converted to a byte.

op_Explicit

explicit SqlByte(SqlDecimal public [C#] static operator x); SqlByte · op Explicit(SqlDecimal [C++]public: static x); returnValue SqlByte.op Explicit(x) [VB] = [JScript] returnValue SqlByte(x);

1	
2	Description
3	Converts the supplied System.Data.SqlTypes.SqlDecimal to
4	System.Data.SqlTypes.SqlByte .
5	Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value
6	property is equal to the System.Data.SqlTypes.SqlDecimal.Value of the Decimal
7	parameter. A SqlDecimal structure.
8	op_Explicit
9	
10	[C#] public static explicit operator SqlByte(SqlDouble x);
11	[C++] public: static SqlByte op_Explicit(SqlDouble x);
12	[VB] returnValue = SqlByte.op_Explicit(x)
13	[JScript] returnValue = SqlByte(x);
14	
15	Description
16	Converts the supplied System.Data.SqlTypes.SqlDouble to
17	System.Data.SqlTypes.SqlByte
18	Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value
19	property is equal to the System.Data.SqlTypes.SqlDouble.Value of the Double
20	parameter. A SqlDouble structure.
21	op_Explicit
22	
23	[C#] public static explicit operator SqlByte(SqlInt16 x);
24	[C++] public: static SqlByte op_Explicit(SqlInt16 x);
25	[VB] returnValue = SqlByte.op_Explicit(x)

1	[JScript] returnValue = SqlByte(x)
2	
3	Description
. 4	Converts the System.Data.SqlTypes.SqlInt16 parameter to a
5	System.Data.SqlTypes.SqlByte
6	Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value
7	property is equal to the System.Data.SqlTypes.SqlInt16.Value of the SqlInt16
8	parameter. A SqlInt16 structure.
9	op_Explicit
10	
11	[C#] public static explicit operator SqlByte(SqlInt32 x)
12	[C++] public: static SqlByte op_Explicit(SqlInt32 x)
13	[VB] returnValue = SqlByte.op_Explicit(x)
14	[JScript] returnValue = SqlByte(x)
15	
16	Description
17	Converts the supplied System.Data.SqlTypes.SqlInt32 to
18	System.Data.SqlTypes.SqlByte
19	Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value
20	property is equal to the System.Data.SqlTypes.SqlInt32.Value of the SqlInt32
21	parameter. A SqlInt32 structure.
22	op_Explicit
23	
24	[C#] public static explicit operator SqlByte(SqlInt64 x)
25	[C++] public: static SqlByte op_Explicit(SqlInt64 x);

[VB] returnValue SqlByte.op Explicit(x) [JScript] returnValue SqlByte(x); 2 3 Description 4 Converts the supplied System.Data.SqlTypes.SqlInt64 5 System.Data.SqlTypes.SqlByte 6 Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value 7 property is equal to the System.Data.SqlTypes.SqlInt64.Value of the SqlInt64 8 parameter. A SqlInt64 structure. 9 op Explicit 10 11 [C#] public explicit static operator SqlByte(SqlMoney x); 12 [C++] public: static SqlByte op Explicit(SqlMoney x); 13 returnValue [VB] SqlByte.op Explicit(x) 14 SqlByte(x); [JScript] returnValue 15 16 Description 17 System.Data.SqlTypes.SqlMoney parameter Converts the 18 System.Data.SqlTypes.SqlByte 19 Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value 20 property is equal to the System.Data.SqlTypes.SqlMoney.Value of the 21 **SqlMoney** parameter. A **SqlMoney** structure. 22 op Explicit 23 24 [C#] public static explicit operator SqlByte(SqlSingle x);

[C++] public: static SqlByte op_Explicit(SqlSingle x);
[VB] returnValue = SqlByte.op_Explicit(x)

[JScript] returnValue = SqlByte(x);

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Converts the supplied System.Data.SqlTypes.SqlSingle structure to System.Data.SqlTypes.SqlByte .

Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value property is equal to the System.Data.SqlTypes.SqlSingle.Value of the SqlSingle parameter. A SqlSingle structure.

op_Explicit

[C#] public static explicit SqlByte(SqlString operator x); [C++]public: SqlByte op Explicit(SqlString static x); SqlByte.op Explicit(x) [VB] returnValue [JScript] returnValue SqlByte(x);

Description

Converts the supplied **System.Data.SqlTypes.SqlString** to **System.Data.SqlTypes.SqlByte** .

Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value property is equal to the numeric value represented by the SqlString. An instance of the SqlString class.

 $op_GreaterThan$

public SqlBoolean [C#] static operator >(SqlByte x, SqlByte y); [C++] public: static SqlBoolean op_GreaterThan(SqlByte x, SqlByte y); returnValue [VB] = SqlByte.op GreaterThan(x, y) returnValue [JScript] Х у;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Compares two instances of System.Data.SqlTypes.SqlByte to determine if first second. the is greater than the Value: Α System.Data.SqlTypes.SqlBoolean that Return is System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlByte is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlByte structure. A SqlByte structure.

op_GreaterThanOrEqual

[C#] public static SqlBoolean operator \geq =(SqlByte x, SqlByte y); [C++] public: static SqlBoolean op GreaterThanOrEqual(SqlByte x, SqlByte y); returnValue SqlByte.op GreaterThanOrEqual(x, [VB] y) [JScript] returnValue Х >= у;

Description

Compares two instances of **System.Data.SqlTypes.SqlByte** to determine if the first is greater than or equal to the second.

lee@hayes psc 509-324-9256 957 MS1-864US.APP

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlBoolean that Return Value: Α is System.Data.SqlTypes.SqlBoolean.True if the first instance is greaater than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False If of **SqlByte** is null, the either instance System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlByte structure. A System.Data.SqlTypes.SqlByte structure.

op Implicit

public static implicit operator SqlByte(byte x); [C#] SqlByte op Implicit(unsigned char [C++]public: static x); SqlByte.op Implicit(x) [VB] returnValue returnValue [JScript] x;

Description

Converts the supplied byte value to a System.Data.SqlTypes.SqlByte.

Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value property is equal to the supplied parameter. A byte value to be converted to SqlByte.

op_Inequality

!=(SqlByte public SqlBoolean operator SqlByte y); [C#] static х, SqlBoolean op Inequality(SqlByte x, SqlByte [C++] public: static y); SqlByte.op Inequality(x, returnValue [VB] y) != [JScript] returnValue Х y;

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Compares two instances of System.Data.SqlTypes.SqlByte for equality.

Return Value: A System.Data.SqlTypes.SqlBoolean that is System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either instance of SqlByte is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlByte structure. A SqlByte structure.

op_LessThan

static SqlBoolean [C#] public operator public: static SqlBoolean op LessThan(SqlByte x, [C++]SqlByte [VB] returnValue SqlByte.op LessThan(x, y) [JScript] returnValue у;

Description

Compares two instances of System.Data.SqlTypes.SqlByte to determine if the first is less than the second. Value: Α System.Data.SqlTypes.SqlBoolean Return that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlByte is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlByte structure. A SqlByte structure.

op LessThanOrEqual

[C#] public static SqlBoolean operator <=(SqlByte x, SqlByte y);
[C++] public: static SqlBoolean op_LessThanOrEqual(SqlByte x, SqlByte y);
[VB] returnValue = SqlByte.op_LessThanOrEqual(x, y)
[JScript] returnValue = x <= y;

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Compares two instances of System. Data. SqlTypes. SqlByte to determine if the first is less than equal the or to second. Value: System.Data.SqlTypes.SqlBoolean Return Α that is: System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlByte is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlByte $structure. \ A \ SqlByte \ structure.$

op Modulus

[C#] public static SqlByte operator %(SqlByte X, SqlByte y); SqlByte [C++]public: static op Modulus(SqlByte X, SqlByte y); [VB] returnValue SqlByte.op Modulus(x, y) [JScript] returnValue % X y;

Description

after dividing its first the remainder Computes System.Data.SqlTypes.SqlByte operand by its second. 2 Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value 3 contains the remainder. A SqlByte structure. A SqlByte structure. 4 op Multiply 5 6 static SqlByte operator *(SqlByte SqlByte [C#] public X, y); 7 SqlByte op Multiply(SqlByte [C++]public: static SqlByte y); х, 8 returnValue [VB] SqlByte.op Multiply(x, y) 9 [JScript] returnValue X у; 10 11 Description 12 Computes the product of the two System.Data.SqlTypes.SqlByte 13 operands. 14 Value: Α **SqlByte** whose Return new structure 15 System.Data.SqlTypes.SqlByte.Value property contains the product of the 16 multiplication. A SqlByte structure. A SqlByte structure. 17 op OnesComplement 18 19 public static SqlByte operator ~(SqlByte x); [C#] 20 [C++]public: static SqlByte op OnesComplement(SqlByte x); 21 [VB] SqlByte.op OnesComplement(x) returnValue 22 [JScript] returnValue ~x; 23 24

Description

3

5

6

7

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

The ones complement operator performs a bitwise one's complement operation on its System.Data.SqlTypes.SqlByte operand.

Return Value: A SqlByte structure whose System.Data.SqlTypes.SqlByte.Value property contains the ones complement of the SqlByte parameter. A SqlByte structure.

op Subtraction

SqlByte [C#] public static operator -(SqlByte SqlByte X, y); SqlByte [C++]op Subtraction(SqlByte SqlByte public: static y); [VB] returnValue SqlByte.op Subtraction(x, y) [JScript] returnValue \mathbf{x} y;

Description

Subtracts the second System.Data.SqlTypes.SqlByte operand from the first.

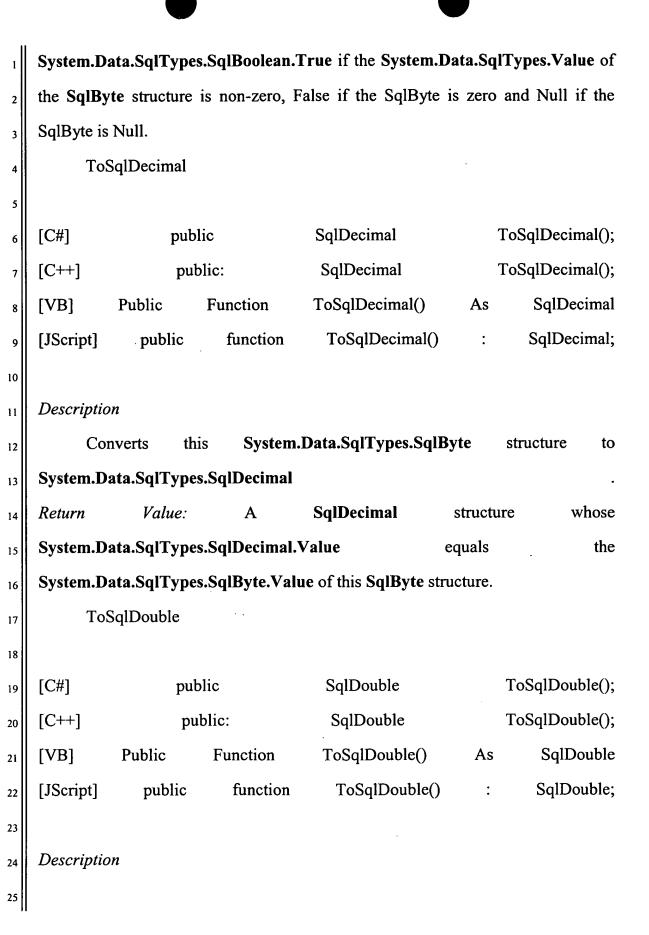
Return Value: The results of subtracting the second **SqlByte** operand from the first. A **SqlByte** structure. A **SqlByte** structure.

Parse

SqlByte Parse(string public static [C#] s); SqlByte Parse(String* [C++]public: static s); [VB] Public Shared Function Parse(ByVal s As String) As SqlByte public function SqlByte; [JScript] static Parse(s String)

Description

1	[.]									
2	Subtract									
3	\cdot									
4	[C#] public static SqlByte Subtract(SqlByte x, SqlByte y);									
5	[C++] public: static SqlByte Subtract(SqlByte x, SqlByte y);									
6	[VB] Public Shared Function Subtract(ByVal x As SqlByte, ByVal y As SqlByte)									
7	As SqlByte									
8	[JScript] public static function Subtract(x : SqlByte, y : SqlByte) : SqlByte;									
9										
10	Description									
11	Subtracts the second System.Data.SqlTypes.SqlByte operand from the									
12	first.									
13	Return Value: The results of subtracting the second SqlByte operand from the									
14	first. A SqlByte structure. A SqlByte structure.									
15	ToSqlBoolean									
16										
17	[C#] public SqlBoolean ToSqlBoolean();									
18	[C++] public: SqlBoolean ToSqlBoolean();									
19	[VB] Public Function ToSqlBoolean() As SqlBoolean									
20	[JScript] public function ToSqlBoolean() : SqlBoolean;									
21										
22	Description									
23	Converts this System.Data.SqlTypes.SqlByte structure to									
24	System.Data.SqlTypes.SqlBoolean									
25	Return Value: A SqlBoolean that will be									



1	Con	verts this	System.	Data.SqlTypes.SqlByte	stru	cture	to		
2	System.Da	ta.SqlTypes	.SqlDouble				•		
3	Return Val	ue: A SqlDoi	uble structure	with the same value as the	nis SqlBy	te .			
4	ToS	qlInt16							
5									
6	[C#]	pul	blic	SqlInt16	To	oSqlInt1	6();		
7	[C++]	pu	ıblic:	SqlInt16	To	oSqlInt1	6();		
8	[VB]	Public	Function	ToSqlInt16()	As	SqlIn	t16		
9	[JScript]	public	function	ToSqlInt16()	:	SqlInt	16;		
10									
11	Description								
12	Converts this SqlByte structure to System.Data.SqlTypes.SqlInt16								
13	Return Val	ue: A SqlInt?	16 structure w	ith the same value as this	SqlByte	.			
14	ToS	qlInt32							
15									
16	[C#]	pul	blic	SqlInt32	To	SqlInt3	2();		
17	[C++]	pu	ıblic:	SqlInt32	To	SqlInt3	2();		
18	[VB]	Public	Function	ToSqlInt32()	As	SqlIn	t32		
19	[JScript]	public	function	ToSqlInt32()	:	SqlInt	:32;		
20									
21	Description	ı							
22	Con	verts	this	System.Data.SqlTypes	.SqlByte		to		
23	System.Da	ta.SqlTypes.	SqlInt32						
24	Return Val	ue: A SqlInt3	32 structure w	ith the same value as this	SqlByte	· .			
25	ToS	qlInt64							

1									
2	[C#]	pu	blic	SqlInt64		ToSqlInt64();			
3	[C++]	public:		SqlInt64		ToSqlInt64();			
4	[VB]	Public	Function	ToSqlInt64()	As	SqlInt64			
5	[JScript]	public	function	ToSqlInt64() :	SqlInt64;			
6									
7	Description	n							
8	. Con	verts this	s System.I	Data.SqlTypes.Sql	Byte st	tructure to			
9	System.Data.SqlTypes.SqlInt64								
10	Return Value: A SqlInt64 structure who System.Data.SqlTypes.SqlInt64.Value								
11	equals the	System.Data	.SqlTypes.Sql	Byte.Value of this	SqlByte .				
12	ToS	SqlMoney							
13									
14	[C#]	pub	lic	SqlMoney	T	oSqlMoney();			
15	[C++]	pul	olic:	SqlMoney	· T	oSqlMoney();			
16	[VB]	Public	Function	ToSqlMoney()	As	SqlMoney			
17	[JScript]	public	function	ToSqlMoney()	:	SqlMoney;			
18									
19	Description					•			
20		verts this	•	Data.SqlTypes.Sql	Byte st	tructure to			
21		ata.SqlTypes	.SqlMoney			•			
22	Return	Value:	Α	SqlMoney	structure	whose			
23			.SqlMoney.Va		equals	the			
24			.SqlByte.Valu	e of this SqlByte st	ructure.				
25	ToS	SqlSingle							

[C#]	pul	olic	SqlSingle		ToSqlSingle();		ngle();			
[C++]	pu	ıblic:	SqlSingle	;	,	ToSqlSi	ngle();			
[VB]	Public	Function	ToSqlSing	le()	As	Sql	Single			
[JScript]	public	function	ToSqlSir	ngle()	:	Sql	Single;			
Description	on									
Converts this System.Data.SqlTypes.SqlByte structure to										
System.D	ata.SqlTypes	s.SqlSingle					•			
Return	Value: A	SqlSingle	structure	that	has	the	same			
System.D	ata.SqlTypes	s.SqlSingle.Valı	ue as this Sqll	Byte stri	ucture.					
To	SqlString									
[C#]	pul	blic	SqlString		,	ToSqlSt	ring();			
[C++]	рι	ıblic:	SqlString	5	į	ToSqlSt	ring();			
[VB]	Public	Function	ToSqlStrir	ıg()	As	Sq	lString			
[JScript]	public	function	ToSqlStr	ring()	:	Sql	String;			
Descriptio	Description									
Co	nverts this	instance o	of System.	Data.Sc	_l lTypes.	.SqlByte	e to			
System.D	System.Data.SqlTypes.SqlString									
Return Value: A SqlString containing the string representation of the SqlByte										
structure's	System.Data	a.SqlTypes.SqlI	Byte.Value .	-						
To	String									

[C#] ToString(); public override string String* ToString(); public: [C++]**Function** ToString() String Overrides Public As [VB] String; Converts function ToString() public override : [JScript] System.Data.SqlTypes.SqlByte string. to a

Description

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Converts this System.Data.SqlTypes.SqlByte structure to a System.String

Return Value: A string containing the System.Data.SqlTypes.SqlByte.Value of the SqlByte. If the Value is null, the String will be a null string.

Xor

public static SqlByte Xor(SqlByte SqlByte y); [C#] х, [C++]public: static SqlByte Xor(SqlByte x, SqlByte y); [VB] Public Shared Function Xor(ByVal x As SqlByte, ByVal y As SqlByte) As SqlByte

[JScript] public static function Xor(x : SqlByte, y : SqlByte) : SqlByte;

Description

Performs a bitwise exclusive-OR operation on the supplied parameters.

Return Value: The results of the XOR operation. A SqlByte structure. A SqlByte structure.

SqlCompareOptions enumeration (System.Data.SqlTypes)

1	Xo	r						
2								
3		-						
4	Description	on						
5	Spe	ecifies	the cor	npare opt	ion v	alues	for	a
6	System.D	ata.SqlType	s.SqlString	structure.			e.	
7	Xo	r						
8								
9	[C#]	public	const	SqlCom	pareOptio	ns	BinaryS	ort;
10	[C++]	public:	const	SqlCon	npareOptio	ons	BinaryS	ort;
_/ 1·1	[VB]	Public	Const	BinarySort	As	SqlCon	npareOpti	ons
12	[JScript]	public	var	BinarySort	:	SqlCom	pareOptio	ons;
13								
14	Description	on			•			
15	Spe	ecifies that s	orts should	be based on a	characters	s numeric	value rat	ther
16	than its al	phabetic valu	ıe.					
17	Xo	r						
18								
19	[C#]	public	const	SqlCom	pareOption	nș	IgnoreCa	ase;
20	[C++]	public:	const	SqlCon	npareOptio	ons	IgnoreCa	ase;
21	[VB]	Public	Const	IgnoreCase	As	SqlCor	npareOpti	ons
22	[JScript]	public	var	IgnoreCase	:	SqlCom	npareOptio	ons;
23		•						
24	Descriptio	on						
25	Spe	ecifies that S	qlString com	parisons must i	ignore case	e.		

roorse ortoor

Xor

[C#]	public	const	SqlCompareO	ptions	IgnoreKanaType;
[C++]	public:	const	SqlCompareO	ptions	IgnoreKanaType;
[VB]	Public	Const	IgnoreKanaType	As	SqlCompareOptions
[JScript]	public	var	IgnoreKanaType	:	SqlCompareOptions;

Description

Specifies that the string comparison must ignore the Kana type. Kana type refers to Japanese hiragana and katakana characters, which represent phonetic sounds in the Japanese language. Hiragana is used for native Japanese expressions and words, while katakana is used for words borrowed from other languages, such as "computer" or "internet". A phonetic sound can be expressed in both hiragana and katakana. If this value is selected, the hiragana character for one sound is considered equal to the katakana character for the same sound.

Xor

[C#]	public	const	SqlCompareO	ptions	IgnoreNonSpace;
[C++]	public:	const	SqlCompareC	Options	IgnoreNonSpace;
[VB]	Public	Const	IgnoreNonSpace	As	SqlCompareOptions
[JScript]	public	var	IgnoreNonSpace	:	SqlCompareOptions;

Description

Specifies that the string comparison must ignore nonspace combining characters, such as diacritics. The Unicode Standard defines combining characters

as characters that are combined with base characters to produce a new character. Non-space combining characters do not take up character space by themselves when rendered. For more information on non-space combining characters, see the Unicode Standard at http://www.unicode.org.

Xor

[C#]	public	const	SqlComp	areOptions	IgnoreWidth;
[C++]	public:	const	SqlComp	oareOptions	IgnoreWidth;
[VB]	Public	Const	IgnoreWidth	As	SqlCompareOptions
[JScript]	public	var	IgnoreWidth	:	SqlCompareOptions;

Description

Specifies that the string comparison must ignore the character width. For example, Japanese katakana characters can be written as full-width or half-width and, if this value is selected, the katakana characters written as full-width are considered equal to the same characters written in half-width.

Xor

[C#]	public	const		SqlCompareO	ptions	None;
[C++]	public:	const		SqlCompareC	ptions	None;
[VB]	Public	Const	None	As	SqlCompare	Options
[JScript]	public	var	None	:	SqlCompareC	Options;

Description

Specifies the default option settings for SqlString comparisons.

SqlDateTime structure (System.Data.SqlTypes)
ToString

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Represents the date and time data ranging in value from January 1, 1753 to December 31, 9999 to an accuracy of 3.33 milliseconds to be stored in or retrieved from a database.

ToString

[C#] SqlDateTime public static readonly MaxValue; [C++]SqlDateTime MaxValue; public: static Public Shared ReadOnly MaxValue As SqlDateTime [VB] MaxValue SqlDateTime; [JScript] public static var

Description

Represents the maximum valid date value for a System.Data.SqlTypes.SqlDateTime structure.

The maximum valid date for a **SqlDateTime** structure is December 31, 9999.

ToString

SqlDateTime MinValue; public readonly [C#] static MinValue; static SqlDateTime [C++]public: SqlDateTime ReadOnly MinValue [VB] Public Shared As

lee@hayes_pk 509-324-9356 972 MS1-864US.APP

[JScript] MinValue SqlDateTime; public static var 2 Description 3 minimum Represents the valid date value for a 4 System.Data.SqlTypes.SqlDateTime structure. 5 The minimum valid date for a **SqlDateTime** structure is January 1, 1753. 6 **ToString** 8 [C#] SqlDateTime Null: public static readonly 9 SqlDateTime [C++]public: static Null; 10 Public Shared ReadOnly Null As SqlDateTime [VB] 11 [JScript] public static Null SqlDateTime; var 12 13 Description 14 Represents null value that be assigned the can 15 System.Data.SqlTypes.SqlDateTime.Value property of an instance of the 16 System.Data.SqlTypes.SqlDateTime structure. 17 Null functions as a constant for the SqlDateTime structure. 18 **ToString** 19 20 SQLTicksPerHour; [C#] readonly int public static 21 static SQLTicksPerHour; [C++]public: int 22 [VB] Public Shared ReadOnly **SQLTicksPerHour** As Integer 23 public SQLTicksPerHour [JScript] static int; var 24 25

lee@hayes 🗚 509-324-9256 973 MS1-864US.APP

	•									
1										
2	Description									
3	A constant whose value is the number of ticks equivalent to one hour.									
4	ToString									
5										
6	[C#] public static readonly int SQLTicksPerMinute;									
7	[C++] public: static int SQLTicksPerMinute;									
8	[VB] Public Shared ReadOnly SQLTicksPerMinute As Integer									
9	[JScript] public static var SQLTicksPerMinute : int;									
10										
11	Description									
12	A constant whose value is the number of ticks equivalent to one minute.									
13	ToString									
14										
15	[C#] public static readonly int SQLTicksPerSecond;									
16	[C++] public: static int SQLTicksPerSecond;									
17	[VB] Public Shared ReadOnly SQLTicksPerSecond As Integer									
18	[JScript] public static var SQLTicksPerSecond : int;									
19	, ·									
20	Description									
21	A constant whose value is the number of ticks equivalent to one second.									
22	SqlDateTime									
23	Example Syntax:									
24	ToString									

[C#]	public		SqlDateTime(DateTime			value);
[C++]		public:	SqlDateTin	SqlDateTime(DateTime		
[VB]	Public	Sub	New(ByVal	value	As	DateTime)
[JScript]	public	function	SqlDateTime(value:	DateTin	ne); Initial	izes a new
instance	of	the	System.Data.SqlTy	pes.SqlD	ateTime	structure.

Description

Initializes a new instance of the **System.Data.SqlTypes.SqlDateTime** structure using the specified **System.DateTime** value. A **System.DateTime** structure.

SqlDateTime

Example Syntax:

ToString

[C#] public SqlDateTime(int dayTicks, int timeTicks);
[C++] public: SqlDateTime(int dayTicks, int timeTicks);
[VB] Public Sub New(ByVal dayTicks As Integer, ByVal timeTicks As Integer)
[JScript] public function SqlDateTime(dayTicks : int, timeTicks : int);

Description

Initializes a new instance of the **System.Data.SqlTypes.SqlDateTime** structure using the supplied parameters. An integer value that represents the date as ticks. An integer value that represents the time as ticks.

SqlDateTime

Example Syntax:

ToString

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

SqlDateTime(int month, [C#] public year, int int day); public: SqlDateTime(int int day); [C++]year, int month, [VB] Public Sub New(ByVal year As Integer, ByVal month As Integer, ByVal Integer) day As [JScript] public function SqlDateTime(year : int, month : int, day : int);

Description

Initializes a new instance of the System.Data.SqlTypes.SqlDateTime structure using the supplied parameters to initialize the year, month, day. An of the of the representing the new integer year System.Data.SqlTypes.SqlDateTime structure. An integer value representing the month of the new System.Data.SqlTypes.SqlDateTime structure. An integer representing the day number of the value new: System.Data.SqlTypes.SqlDateTime structure.

SqlDateTime

Example Syntax:

ToString

[C#] public SqlDateTime(int year, int month, int day, int hour, int minute, int second);

[C++] public: SqlDateTime(int year, int month, int day, int hour, int minute, int second);

[VB] Public Sub New(ByVal year As Integer, ByVal month As Integer, ByVal day As Integer, ByVal hour As Integer, ByVal minute As Integer, ByVal second

As

Integer)

[JScript] public function SqlDateTime(year : int, month : int, day : int, hour : int, minute : int, second : int);

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

Initializes a new instance of the System.Data.SqlTypes.SqlDateTime structure using the supplied parameters to initialize the year, month, day, hour, minute, and second of the new structure. An integer value representing the year of the new System.Data.SqlTypes.SqlDateTime structure. An integer value: representing the month of the new System.Data.SqlTypes.SqlDateTime structure. An integer value representing the day of the month of the new System.Data.SqlTypes.SqlDateTime structure. An integer value representing the hour of the new System.Data.SqlTypes.SqlDateTime structure. An integer value representing the minute of the new System.Data.SqlTypes.SqlDateTime structure. An integer value representing the second of the new **System.Data.SqlTypes.SqlDateTime** structure.

SqlDateTime

Example Syntax:

ToString

22 23

24

[C#] public SqlDateTime(int year, int month, int day, int hour, int minute, int second,

double millisecond);
[C++] public: SqlDateTime(int year, int month, int day, int hour, int minute, int

lee⊗hayes pt 509-324-9256 977 MS1-864US.APP

double millisecond); second, [VB] Public Sub New(ByVal year As Integer, ByVal month As Integer, ByVal day As Integer, ByVal hour As Integer, ByVal minute As Integer, ByVal second millisecond Double) As Integer, ByVal As [JScript] public function SqlDateTime(year: int, month: int, day: int, hour: int, millisecond minute second int, double); int,

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Initializes a new instance of the System.Data.SqlTypes.SqlDateTime structure using the supplied parameters to initialize the year, month, day, hour, minute, second, and millisecond of the new structure. An integer value representing the year of the new System.Data.SqlTypes.SqlDateTime structure. the of the An integer value representing month new System.Data.SqlTypes.SqlDateTime structure. An integer value representing the day of the month of the new System.Data.SqlTypes.SqlDateTime structure. An of value representing the hour the integer new System.Data.SqlTypes.SqlDateTime structure. An integer value representing the minute of the new System.Data.SqlTypes.SqlDateTime structure. An integer value representing the second of the new System.Data.SqlTypes.SqlDateTime structure. An double value representing the millisecond of the new **System.Data.SqlTypes.SqlDateTime** structure.

SqlDateTime

Example Syntax:

ToString

25

2

3

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#] public SqlDateTime(int year, int month, int day, int hour, int minute, int bilisecond); second, int [C++] public: SqlDateTime(int year, int month, int day, int hour, int minute, int second, bilisecond); int [VB] Public Sub New(ByVal year As Integer, ByVal month As Integer, ByVal day As Integer, ByVal hour As Integer, ByVal minute As Integer, ByVal second bilisecond As Integer, ByVal As Integer) [JScript] public function SqlDateTime(year: int, month: int, day: int, hour: int, bilisecond minute int, second int, int);

Description

Initializes a new instance of the System.Data.SqlTypes.SqlDateTime structure using the supplied parameters to initialize the year, month, day, hour, minute, second, and billisecond of the new structure. An integer value representing the year of the new System.Data.SqlTypes.SqlDateTime structure. An integer value representing the month of the new System.Data.SqlTypes.SqlDateTime structure. An integer value representing the day System.Data.SqlTypes.SqlDateTime structure. An integer value representing the hour of the new System.Data.SqlTypes.SqlDateTime structure. An integer value representing the minute of the new System.Data.SqlTypes.SqlDateTime the structure. integer value representing second System.Data.SqlTypes.SqlDateTime structure. An integer value representing the of bilisecond (billionth second) of the a new System.Data.SqlTypes.SqlDateTime structure.

lee⊗hayes ≠ 509-324-9256 979 MS1-864US.APP

DayTicks ToString 2 3 [C#] public int **DayTicks** {get;} 4 public: property get DayTicks(); [C++] int 5 Public Property [VB] ReadOnly **DayTicks** As Integer [JScript] public function DayTicks() get int; 7 8 Description 9 Gets the number of ticks representing the date of this 10 System.Data.SqlTypes.SqlDateTime structure. 11 IsNull 12 **ToString** 13 14 public [C#] bool IsNull {get;} 15 property get IsNull(); [C++]public: bool 16 [VB] ReadOnly Property Public IsNull Boolean As 17 [JScript] public function get IsNull() Boolean; 18 19 Description 20 Gets a value indicating whether the Value property of the SqlDateTime 21 structure is null. 22 TimeTicks 23 **ToString** 24 25

public TimeTicks [C#] int {get;} int ' get TimeTicks(); [C++]public: property [VB] Public ReadOnly Property **TimeTicks** As Integer [JScript] public function TimeTicks() int; get 5 6 Description 7 ticks representing time this Gets the number of the of 8 System.Data.SqlTypes.SqlDateTime structure. 9 Value 10 **ToString** 11 12 [C#] public DateTime Value {get;} 13 [C++]public: property DateTime get Value(); 14 [VB] Public **Property** DateTime ReadOnly Value As 15 [JScript] public function Value() DateTime; get 16 17 Description 18 Gets the value of the System.Data.SqlTypes.SqlDateTime structure. This 19 property is read-only. 20 CompareTo 21 22 [C#] public CompareTo(object int value); 23 public: sealed [C++]int CompareTo(Object* value); 24 [VB] NotOverridable Public Function CompareTo(ByVal value As Object) As

Integer 1 [JScript] public function CompareTo(value Object) int; 2 3 Description 4 Compares this instance to the supplied object and returns an indication of 5 relative their values. 6 Return Value: A signed number indicating the relative values of the instance and 7 the object. The object to be compared. 8 **Equals** 9 10 public override bool Equals(object [C#] value); 11 Equals(Object* [C++]public: bool value); 12 [VB] Overrides Public Function Equals(ByVal value As Object) As Boolean 13 [JScript] public override function Equals(value : Object) : 14 15 Description 16 Compares the supplied object parameter the to 17 System.Data.SqlTypes.SqlDateTime.Value property of the 18 System.Data.SqlTypes.SqlDateTime object. 19 Value: if is instance Return true object of an 20 System.Data.SqlTypes.SqlDateTime and the two are equal; otherwise false. The 21 object to be compared. 22 **Equals** 23 24 [C#] public static new SqlBoolean Equals(SqlDateTime x, SqlDateTime y);

1	[C++] public: static SqlBoolean Equals(SqlDateTime x, SqlDateTime y);
2	[VB] Shadows Public Shared Function Equals(ByVal x As SqlDateTime, ByVal y
3	As SqlDateTime) As SqlBoolean
4	[JScript] public static hide function Equals(x : SqlDateTime, y : SqlDateTime) :
5	SqlBoolean;
6	
7	Description
8	Performs a logical comparison of two
9	System.Data.SqlTypes.SqlDateTime structures to determine if they are equal.
10	GetHashCode
11	
12	[C#] public override int GetHashCode();
13	[C++] public: int GetHashCode();
14	[VB] Overrides Public Function GetHashCode() As Integer
15	[JScript] public override function GetHashCode() : int;
16	
17	Description
18	Gets the hash code for this instance.
19	Return Value: A 32-bit signed integer hash code.
20	GreaterThan
21	
22	[C#] public static SqlBoolean GreaterThan(SqlDateTime x, SqlDateTime y);
23	[C++] public: static SqlBoolean GreaterThan(SqlDateTime x, SqlDateTime y);
24	[VB] Public Shared Function GreaterThan(ByVal x As SqlDateTime, ByVal y As
25	SqlDateTime) As SqlBoolean

- 11	
1	[JScript] public static function GreaterThan(x : SqlDateTime, y : SqlDateTime) :
2	SqlBoolean;
3	
4	Description
5	[.]
6	GreaterThanOrEqual
7	
8	[C#] public static SqlBoolean GreaterThanOrEqual(SqlDateTime x, SqlDateTime
9	y);
10	[C++] public: static SqlBoolean GreaterThanOrEqual(SqlDateTime x,
11	SqlDateTime y);
12	[VB] Public Shared Function GreaterThanOrEqual(ByVal x As SqlDateTime,
13	ByVal y As SqlDateTime) As SqlBoolean
14	[JScript] public static function GreaterThanOrEqual(x : SqlDateTime, y :
15	SqlDateTime) : SqlBoolean;
16	
17	Description
18	[.]
19	LessThan
20	
21	[C#] public static SqlBoolean LessThan(SqlDateTime x, SqlDateTime y);
22	[C++] public: static SqlBoolean LessThan(SqlDateTime x, SqlDateTime y);
23	[VB] Public Shared Function LessThan(ByVal x As SqlDateTime, ByVal y As
24	SqlDateTime) As SqlBoolean
25	[JScript] public static function LessThan(x : SqlDateTime, y : SqlDateTime) :
• • •	

1	SqlBoolean;
2	
3	Description
4	[.]
5	LessThanOrEqual
6	
7	[C#] public static SqlBoolean LessThanOrEqual(SqlDateTime x, SqlDateTime y);
8	[C++] public: static SqlBoolean LessThanOrEqual(SqlDateTime x, SqlDateTime
9	y);
10	[VB] Public Shared Function LessThanOrEqual(ByVal x As SqlDateTime, ByVal
11	y As SqlDateTime) As SqlBoolean
12	[JScript] public static function LessThanOrEqual(x : SqlDateTime, y :
13	SqlDateTime) : SqlBoolean;
14	
15	Description
16	. [.]
17	NotEquals
18	
19	[C#] public static SqlBoolean NotEquals(SqlDateTime x, SqlDateTime y);
20	[C++] public: static SqlBoolean NotEquals(SqlDateTime x, SqlDateTime y);
21	[VB] Public Shared Function NotEquals(ByVal x As SqlDateTime, ByVal y As
22	SqlDateTime) As SqlBoolean
23	[JScript] public static function NotEquals(x : SqlDateTime, y : SqlDateTime) :
24	SqlBoolean;
25	

1	
2	Description
3	[.]
4	op_Addition
5	
6	[C#] public static SqlDateTime operator +(SqlDateTime x, TimeSpan t);
7	[C++] public: static SqlDateTime op_Addition(SqlDateTime x, TimeSpan t);
8	[VB] returnValue = SqlDateTime.op_Addition(x, t)
9	[JScript] returnValue = x + t;
10	
11	Description
12	Adds the amount of time indicated by the supplied TimeSpan parameter, t ,
13	to the supplied System.Data.SqlTypes.SqlDateTime structure.
14	Return Value: A new System.Data.SqlTypes.SqlDateTime. If either arguement
15	is System.Data.SqlTypes.SqlDateTime.Null , the new
16	System.Data.SqlTypes.SqlDateTime.Value will be
16	System.Data.SqlTypes.SqlDateTime.Value will be System.Data.SqlTypes.SqlDateTime.Null
17	System.Data.SqlTypes.SqlDateTime.Null
17	System.Data.SqlTypes.SqlDateTime.Null System.Data.SqlTypes.SqlDateTime structure. A System.TimeSpan structure.
17 18	System.Data.SqlTypes.SqlDateTime.Null System.Data.SqlTypes.SqlDateTime structure. A System.TimeSpan structure.
17 18 19	System.Data.SqlTypes.SqlDateTime.Null System.Data.SqlTypes.SqlDateTime structure. A System.TimeSpan structure. op_Equality
17 18 19 20 21	System.Data.SqlTypes.SqlDateTime.Null System.Data.SqlTypes.SqlDateTime structure. A System.TimeSpan structure. op_Equality [C#] public static SqlBoolean operator ==(SqlDateTime x, SqlDateTime y);
17 18 19 20 21 22	System.Data.SqlTypes.SqlDateTime.Null System.Data.SqlTypes.SqlDateTime structure. A System.TimeSpan structure. op_Equality [C#] public static SqlBoolean operator ==(SqlDateTime x, SqlDateTime y); [C++] public: static SqlBoolean op_Equality(SqlDateTime x, SqlDateTime y);

- II										
2	Description									
3	Performs a logical comparison of two									
4	System.Data.SqlTypes.SqlDateTime structures to determine if they are equal									
5	Return Value: true if the two values are equal, otherwise false. A									
6	System.Data.SqlTypes.SqlDateTime structure. A									
7	System.Data.SqlTypes.SqlDateTime structure.									
8	op_Explicit									
9										
10	[C#] public static explicit operator DateTime(SqlDateTime x)									
11	[C++] public: static DateTime op_Explicit()									
12	[VB] returnValue = SqlDateTime.op_Explicit(x)									
13	[JScript] returnValue = DateTime(x)									
14										
15	Description									
16	Converts a System.Data.SqlTypes.SqlDateTime structure to a									
17	System.DateTime structure									
18	Return Value: A System.DateTime object whose System.DateTime.Date and									
19	System.TimeOfDay properties contain the same date and time values as the									
20	System.Data.SqlTypes.SqlDateTime.Value property of the supplied									
21	System.Data.SqlTypes.SqlDateTime structure.									
22	System.Data.SqlTypes.SqlDateTime structure.									
23	op_Explicit									
24										
25	[C#] public static explicit operator SqlDateTime(SqlString x)									
11	•									

MS1-864US.APP [C++] public: static SqlDateTime op_Explicit(SqlString x);
[VB] returnValue = SqlDateTime.op_Explicit(x)

[JScript] returnValue = SqlDateTime(x);

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlString Converts the supplied System.Data.SqlTypes.SqlDateTime structure. A System.Data.SqlTypes.SqlDateTime structure Value: Return System.Data.SqlTypes.SqlDateTime.Value is equal to the date and time represented by the System.Data.SqlTypes.SqlString parameter. null, System.Data.SqlTypes.SqlString is the System.Data.SqlTypes.SqlDateTime.Value of the newly created System.Data.SqlTypes.SqlDateTime will null. Α structure be System.Data.SqlTypes.SqlString to be converted.

op GreaterThan

[C#] public static SqlBoolean operator >(SqlDateTime x, SqlDateTime y);
[C++] public: static SqlBoolean op_GreaterThan(SqlDateTime x, SqlDateTime y);
[VB] returnValue = SqlDateTime.op_GreaterThan(x, y)
[JScript] returnValue = x > y;

Description

Compares two instances of System.Data.SqlTypes.SqlDateTime to if than the second. determine the first is greater Return Value: Α System.Data.SqlTypes.SqlBoolean that is

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either System.Data.SqlTypes.SqlByte null, the instance of is System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null Α System.Data.SqlTypes.SqlDateTime structure. Α **System.Data.SqlTypes.SqlDateTime** structure.

op GreaterThanOrEqual

[C#] public static SqlBoolean operator >=(SqlDateTime x, SqlDateTime y);
[C++] public: static SqlBoolean op_GreaterThanOrEqual(SqlDateTime x,
SqlDateTime y);
[VB] returnValue = SqlDateTime.op_GreaterThanOrEqual(x, y)
[JScript] returnValue = x >= y;

Description

Compares two instances of System.Data.SqlTypes.SqlDateTime to determine if the first is greater than or equal to Value: System.Data.SqlTypes.SqlBoolean Return Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is greaater than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False . If either instance of System.Data.SqlTypes.SqlDateTime is null, the of the System.Data.SqlTypes.SqlBoolean.Value System.Data.SqlTypes.SqlBoolean will be

1	System.Data.SqlTypes.SqlBoolean.Null . A						
2	System.Data.SqlTypes.SqlDateTime structure. A						
3	System.Data.SqlTypes.SqlDateTime structure.						
4	op_Implicit						
5							
6	[C#] public static implicit operator SqlDateTime(DateTime value);						
7	[C++] public: static SqlDateTime op_Implicit(DateTime value);						
8	[VB] returnValue = SqlDateTime.op_Implicit(value)						
9	[JScript] returnValue = value;						
10							
11	Description						
12	Converts a System.DateTime structure to a						
13	System.Data.SqlTypes.SqlDateTime structure.						
14	Return Value: A System.Data.SqlTypes.SqlDateTime structure whose						
15	System.Data.SqlTypes.SqlDateTime.Value is equal to the combined						
16	System.DateTime.Date and System.TimeOfDay properties of the supplied						
17	System.DateTime structure. A System.DateTime structure.						
18	op_Inequality						
19							
20	[C#] public static SqlBoolean operator !=(SqlDateTime x, SqlDateTime y);						
21	[C++] public: static SqlBoolean op_Inequality(SqlDateTime x, SqlDateTime y);						
22	[VB] returnValue = SqlDateTime.op_Inequality(x, y)						
23	[JScript] returnValue = x != y;						
24							
25	Description						

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25



Performs ·· logical comparison of two instances of determine System.Data.SqlTypes.SqlDateTime to if they are Value: System.Data.SqlTypes.SqlBoolean Return Α that is System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either System.Data.SqlTypes.SqlDateTime instance of null. the System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null Α System.Data.SqlTypes.SqlDateTime structure. Α System.Data.SqlTypes.SqlDateTime structure.

op LessThan

public static SqlBoolean [C#] operator [C++] public: static SqlBoolean op LessThan(SqlDateTime x, SqlDateTime y); [VB] returnValue SqlDateTime.op LessThan(x, y) [JScript] returnValue < Х у;

Description

Compares two instances of System.Data.SqlTypes.SqlDateTime to determine if is the the first less than second. Value: System.Data.SqlTypes.SqlBoolean that Return Α System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of System.Data.SqlTypes.SqlDateTime is null, the

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlBoolean.Value	of	the
System.Data.SqlTypes.SqlBoolean	will	be
System.Data.SqlTypes.SqlBoolean.Null		Α
System.Data.SqlTypes.SqlDateTime	structure.	Α
${\bf System. Data. Sql Types. Sql Date Time}\ structure.$	·	
op LessThanOrEqual		

[C#] public static SqlBoolean operator <=(SqlDateTime x, SqlDateTime y);
[C++] public: static SqlBoolean op_LessThanOrEqual(SqlDateTime x,
SqlDateTime y);
[VB] returnValue = SqlDateTime.op_LessThanOrEqual(x, y)

X

<=

у;

returnValue

Description

[JScript]

Compares two instances of System.Data.SqlTypes.SqlDateTime to determine if the first less than the is equal second. or to Value: System.Data.SqlTypes.SqlBoolean Return Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If System.Data.SqlTypes.SqlDateTime either instance of null, the System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null Α System.Data.SqlTypes.SqlDateTime Α structure. System.Data.SqlTypes.SqlDateTime structure.

992

1	op_Subtraction								
2									
3	[C#] public static SqlDateTime operator -(SqlDateTime x, TimeSpan t);								
4	[C++] public: static SqlDateTime op_Subtraction(SqlDateTime x, TimeSpan t);								
5	[VB] returnValue = SqlDateTime.op_Subtraction(x, t)								
6	[JScript] returnValue = x - t;								
7									
8	Description								
9	Subtracts the supplied $System.TimeSpan$ structure, t , from the from the								
10	supplied System.Data.SqlTypes.SqlDateTime structure. A								
11	System.Data.SqlTypes.SqlDateTime structure. A System.TimeSpan structure.								
12	Parse								
13									
14	[C#] public static SqlDateTime Parse(string s);								
15	[C++] public: static SqlDateTime Parse(String* s);								
16	[VB] Public Shared Function Parse(ByVal s As String) As SqlDateTime								
17	[JScript] public static function Parse(s : String) : SqlDateTime;								
18									
19	Description								
20	[][]								
21	ToSqlString								
22									
23	[C#] public SqlString ToSqlString();								
24	[C++] public: SqlString ToSqlString();								

lee@hayes # 509-124-9256 993 MS1-864US.APP

Function

ToSqlString()

SqlString

As

Public

[JScript] public function ToSqlString() SqlString; : 2 Description 3 System.Data.SqlTypes.SqlDateTime Converts this structure to 4 System.Data.SqlTypes.SqlString. 5 **ToString** 6 7 [C#] public override string ToString(); 8 String* [C++]public: ToString(); 9 Overrides Public **Function** [VB] ToString() As String 10 function ToString() : public override String; Converts [JScript] 11 System.Data.SqlTypes.SqlDateTime structure System.String to a 12 13 Description 14 this System.Data.SqlTypes.SqlDateTime structure to 15 **System.String** 16 Value: Α String representing Return the 17 System.Data.SqlTypes.SqlDateTime.Value property of this SqlDateTime 18 structure. 19 SqlDecimal structure (System.Data.SqlTypes) 20 **ToString** 21 22 23 Description 24 25

Represents a fixed precision and scale numeric value between -10 -1 and 10 -1 to be stored in or retrieved from a database.

ToString

[C#]	public	static	readonly	byte	MaxPr	ecision;
[C++]	public:	static	unsigned	char	MaxPr	ecision;
[VB]	Public	Shared	ReadOnly	MaxPrecision	As	Byte
[JScript]	public	static	var	MaxPrecision	:	Byte;

Description

A constant representing the largest possible value for the System.Data.SqlTypes.SqlDecimal.Precision property.

The value of this constant is 38.

ToString

public	static	readonly	byte	M	faxScale;
public:	static	unsigned	char	N	ſaxScale;
Public	Shared	ReadOnly	MaxScale	As	Byte
public	static	var	MaxScale	:	Byte;
	public:	public: static Public Shared	public: static unsigned Public Shared ReadOnly	public: static unsigned char Public Shared ReadOnly MaxScale	public: static unsigned char M Public Shared ReadOnly MaxScale As

Description

A constant representing the maximum value for the System.Data.SqlTypes.SqlDecimal.Scale property.

ToString

lee@hayes pt 509-324-9256 995 MS1-864US-APP

[C#]	public	static	readonly	SqlDeci	mal	MaxValue;
[C++]	pul	olic:	static	SqlDecimal		MaxValue;
[VB]	Public	Shared	ReadOnly	MaxValue	As	SqlDecimal
[JScript]	publi	c static	var	MaxValue	:	SqlDecimal;
Descript	ion					
A	consta	nt repres	senting the	maximum	valu	e of a
System.	Data.SqlTy	pes.SqlDec	imal structure			
Т	he	value	of	this	consta	nt is
79,228,1	62,514,162	,514,264,33	7,593,543,950	,335.		
Т	oString					
[C#]	public	static	readonly	y SqlDeci	mal	MinValue;
[C++]	pul	olic:	static	SqlDecimal		MinValue;
[VB]	Public	Shared	ReadOnly	MinValue	As	SqlDecimal`
[JScript]	publi	c statio	o var	MinValue	:	SqlDecimal;
Descript	ion					
A	consta	nt repres	senting the	minimum	value	e for a
System.	Data.SqlTy	pes.SqlDec	imal structure			
Т	he value of	this constan	it is -79,228,16	52,514,264,337,	593,543	,950,335.
Т	oString					
[C#]	public	stati	c reado	only Sql	Decimal	Null;

[C++]	public:		static	SqlDecimal		Null;
[VB]	Public	Shared	ReadOnly	Null	As	SqlDecimal
[JScript]	public	static	var	Null	:	SqlDecimal;

Description

Represents a null value that can be assigned to the System.Data.SqlTypes.SqlDecimal.Value property of an instance of the System.Data.SqlTypes.SqlMoney class.

SqlDecimal

Example Syntax:

ToString

[C#]	p	ublic	SqlDecin	SqlDecimal(decimal				
[C++]	r	oublic:	SqlDecimal(Decimal			value);		
[VB]	Public	Sub	New(ByVal	value	As	Decimal)		
[JScript] public function SqlDecimal(value : Decimal); Initializes a new instance								
of	the	Syste	em.Data.SqlTypes	s.SqlDecima	al	structure.		

Description

Initializes a new instance of the System.Data.SqlTypes.SqlDecimal structure using the supplied System.Decimal value. The System.Decimal value to be stored as a System.Data.SqlTypes.SqlDecimal structure.

SqlDecimal

Example Syntax:

ToString

[C#]	pu		SqlDecir		dVal);		
[C++]	pı	ıblic:		SqlDeci		dVal);	
[VB]	Public	Sub	New(I	ByVal	dVal	As	Double)
[JScript]	public	fund	ction	SqlDec	imal(dVal	:	double);

Description

Initializes a new instance of the System.Data.SqlTypes.SqlDecimal structure using the supplied double parameter. A double, representing the value for the new System.Data.SqlTypes.SqlDecimal structure.

SqlDecimal

Example Syntax:

ToString

[C#]	p	ublic	S	SqlDecimal(int				value);
[C++]		public:			SqlDecimal(int			
[VB]	Public	Sub	New(ByV	'al	value	As		Integer)
[JScript]	public	f	function	SqlDecimal(value			:	int);

Description

Initializes a new instance of the System.Data.SqlTypes.SqlDecimal structure using the supplied integer value. The supplied integer value which will the used as the value of the new System.Data.SqlTypes.SqlDecimal structure.

SqlDecimal

Example Syntax:

ToString

ì

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#] public SqlDecimal(long value);

[C++] public: SqlDecimal(_int64 value);

[VB] Public Sub New(ByVal value As Long)

[JScript] public function SqlDecimal(value : long);

Description

Initializes a new instance of the System.Data.SqlTypes.SqlDecimal structure using the supplied long integer value. The supplied long integer value which will the used as the value of the new System.Data.SqlTypes.SqlDecimal structure.

SqlDecimal

Example Syntax:

ToString

[C#] public SqlDecimal(byte bPrecision, byte bScale, bool fPositive, int[] bits); [C++] public: SqlDecimal(unsigned char bPrecision, unsigned char bScale, bool fPositive, bits int gc[]); [VB] Public Sub New(ByVal bPrecision As Byte, ByVal bScale As Byte, ByVal **fPositive** As Boolean, ByVal bits() As Integer) [JScript] public function SqlDecimal(bPrecision : Byte, bScale : Byte, fPositive : bits int[]); Boolean,

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Initializes a new instance of the System.Data.SqlTypes.SqlDecimal structure using the supplied parameters. The maximum number of digits that can be used to represent the System.Data.SqlTypes.SqlDecimal.Value property of the new System.Data.SqlTypes.SqlDecimal structure. The number of decimal places to which the System.Data.SqlTypes.SqlDecimal.Value property will be resolved for the new System.Data.SqlTypes.SqlDecimal structure. [.]

SqlDecimal

Example Syntax:

ToString

[C#] public SqlDecimal(byte bPrecision, byte bScale, bool fPositive, int data1, int data2, int data3, int data4); [C++] public: SqlDecimal(unsigned char bPrecision, unsigned char bScale, bool data2. fPositive. int data1. int int data3. int data4); [VB] Public Sub New(ByVal bPrecision As Byte, ByVal bScale As Byte, ByVal fPositive As Boolean, ByVal data1 As Integer, ByVal data2 As Integer, ByVal data3 As ByVal data4 Integer, As Integer) [JScript] public function SqlDecimal(bPrecision: Byte, bScale: Byte, fPositive: Boolean, data1 int, data2 int, data3 int, data4 int);

Description

Initializes a new instance of the System.Data.SqlTypes.SqlDecimal structure using the supplied parameters. The maximum number of digits that can be used to represent the System.Data.SqlTypes.SqlDecimal.Value property of the new System.Data.SqlTypes.SqlDecimal structure. The number of decimal

1	places to wh	ich the Sy	stem.Data.	.SqlTypes.S	qlDecimal.	Value 1	property v	will be
2	resolved for t	he new Sy	stem.Data.	SqlTypes.Sc	qlDecimal	structur	e. [.] [.][.
3	[][]							
4	BinDa	ta						
5	ToStri	ng						
6								
7	[C#]	public		byte[]	Bir	Data		{get;}
8	[C++] p	ublic:	propert	y unsig	med c	har	get_Bin	Data();
9	[VB] Pul	olic Re	adOnly	Property	BinData	As	Byte	0
10	[JScript]	public	function	n get	BinDa	ta()	:	Byte[];
11								
12	Description							
13	[.][.]						
14	Data							
15	ToStri	ng						
16								
17	[C#]	publi	c	int[]	Ι	Data .		{get;}
18	[C++]	public:		property	iı	nt	get_	Data();
19	[VB] Pul	blic Re	eadOnly	Property	Data	As	Integer	. ()
20	[JScript]	public	functi	on ge	t Da	ta()	:	int[];
21								
22	Description							
23	[.][.]						
24	IsNull							
25	ToStri	ng						

24

25

IsNull public bool {get;} [C#] public: get IsNull(); [C++]property bool [VB] Public ReadOnly **Property** IsNull As Boolean function Boolean; [JScript] public IsNull() get :

Description

Indicates whether or not the System.Data.SqlTypes.SqlDecimal.Value of this System.Data.SqlTypes.SqlDecimal structure is null.

IsPositive

ToString

IsPositive public bool [C#] {get;} public: get IsPositive(); [C++]bool property [VB] **Public** ReadOnly **Property IsPositive** As Boolean public function IsPositive() Boolean; [JScript] get

Description

Indicates whether or not the System.Data.SqlTypes.SqlDecimal.Value of this System.Data.SqlTypes.SqlDecimal structure is greater than zero.

Precision

ToString

[C#] public byte Precision {get;}
[C++] public: __property unsigned char get_Precision();

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[VB] Public ReadOnly Precision Property As Byte [JScript] function Precision() public Byte; get Description Gets or sets the maximum number of digits used to represent the System.Data.SqlTypes.SqlDecimal.Value property. Scale **ToString** public [C#] byte Scale {get;} [C++]public: property unsigned char get Scale(); [VB] Public ReadOnly Property Scale As Byte public function [JScript] get Scale() : Byte; Description number of which Gets the decimal places or sets to System.Data.SqlTypes.SqlDecimal.Value is resolved. Value **ToString** [C#] public decimal Value {get;} [C++]public: property Decimal get Value(); Public ReadOnly Property Value Decimal [VB] As [JScript] public function Value() Decimal; get :

Description

1

2

3

4

5

6

7

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Gets the value of the **System.Data.SqlTypes.SqlDecimal** structure. This property is read-only.

Abs

[C#] public static SqlDecimal Abs(SqlDecimal n);
[C++] public: static SqlDecimal Abs(SqlDecimal n);
[VB] Public Shared Function Abs(ByVal n As SqlDecimal) As SqlDecimal
[JScript] public static function Abs(n : SqlDecimal) : SqlDecimal;

Description

function The Abs member gets the absolute System.Data.SqlTypes.SqlDecimal parameter. Value: System.Data.SqlTypes.SqlDecimal Return structure whose System.Data.SqlTypes.SqlDecimal.Value property contains the unsigned number representing the absolute value of the System.Data.SqlTypes.SqlDecimal parameter. A SqlDecimal structure.

Add

SqlDecimal Add(SqlDecimal SqlDecimal [C#] public static X, y); [C++] public: static SqlDecimal Add(SqlDecimal x, SqlDecimal [VB] Public Shared Function Add(ByVal x As SqlDecimal, ByVal y As SqlDecimal) As SqlDecimal [JScript] public static function Add(x : SqlDecimal, y : SqlDecimal) : SqlDecimal;

lee@hayes pac 509-324-9256 1004 MS1-864US-APP

Description

2

3

5

6

7

8

9

10

12

13

14

15

16

17

18

19

20

21

22

23

24

[.]

AdjustScale

[C#] public static SqlDecimal AdjustScale(SqlDecimal n, int digits, bool fRound); [C++] public: static SqlDecimal AdjustScale(SqlDecimal n, int digits, bool fRound);

[VB] Public Shared Function AdjustScale(ByVal n As SqlDecimal, ByVal digits

As Integer, ByVal fRound As Boolean) As SqlDecimal

[JScript] public static function AdjustScale(n : SqlDecimal, digits : int, fRound : SqlDecimal)

Boolean) : SqlDecimal;

Description

The scale of the System.Data.SqlTypes.SqlDecimal operand will be adjusted to the number of digits indicated by the digits parameter. Depending on the value of the fRound parameter, the value will either be rounded to the number of digits truncated. appropriate or Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.SqlDecimal.Value property contains the adjusted number. The SqlDecimal structure to be adjusted. The number of digits in the adjusted structure. If this parameter is true, the new Value will be rounded, if false, the value will be truncated.

Ceiling

25

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#] public SqlDecimal static Ceiling(SqlDecimal n); SqlDecimal Ceiling(SqlDecimal [C++]public: static n); [VB] Public Shared Function Ceiling(ByVal n As SqlDecimal) As SqlDecimal [JScript] public static function Ceiling(n : SqlDecimal) : SqlDecimal; Description $[\][\][\]$ CompareTo public CompareTo(object [C#] int value); public: CompareTo(Object* [C++]sealed int value); [VB] NotOverridable Public Function CompareTo(ByVal value As Object) As Integer [JScript] public function CompareTo(value Object) int; Description Compares this instance to the supplied object and returns an indication of relative values. their Return Value: A signed number indicating the relative values of the instance and the object. The object to be compared. ConvertToPrecScale [C#] public static SqlDecimal ConvertToPrecScale(SqlDecimal n, int precision, scale); int

[C++] publi	ic: static Sq	lDecimal	ConvertT	oPrecS	cale(S	SqlDecim	al n,	int precision,
int								scale);
[VB] Publi	ic Shared	Function	Convert	ΓoPrecS	Scale(ByVal n	As	SqlDecimal,
ByVal pre	ecision As	Integer,	ByVal	scale	As	Integer)	As	SqlDecimal
[JScript] pu	ıblic static	function	ConvertT	oPrecSo	cale(n	: SqlDe	cimal	l, precision:
int,	scale	:		int)		:		SqlDecimal;
Description	!							
Adju	sts the value	e of the S	ystem.Da	ta.SqlT	ypes	.SqlDecii	nal o	perand to the

Adjusts the value of the System.Data.SqlTypes.SqlDecimal operand to the indicated precision and scale.

Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose Value has been adjusted to the precision and scale indicated in the parameters. The SqlDecimal structure whose value is to be adjusted. The precision for the new SqlDecimal structure.

Divide

[C#] public static SqlDecimal Divide(SqlDecimal x, SqlDecimal y);
[C++] public: static SqlDecimal Divide(SqlDecimal x, SqlDecimal y);
[VB] Public Shared Function Divide(ByVal x As SqlDecimal, ByVal y As SqlDecimal)

As SqlDecimal

[JScript] public static function Divide(x : SqlDecimal, y : SqlDecimal) : SqlDecimal;

Description

 $[\ .]$

lee⊗hayes pt. 509-324-9256 1007 MS1-864US.APP

1	Equals
2	
3	[C#] public override bool Equals(object value);
4	[C++] public: bool Equals(Object* value);
5	[VB] Overrides Public Function Equals(ByVal value As Object) As Boolean
6	[JScript] public override function Equals(value : Object) : Boolean;
7	·
8	Description
9	Compares the supplied object parameter to the
10	System.Data.SqlTypes.SqlMoney.Value property of the
11	System.Data.SqlTypes.SqlMoney object. The object to be compared.
12	Equals
13	
14	[C#] public static new SqlBoolean Equals(SqlDecimal x, SqlDecimal y);
15	[C++] public: static SqlBoolean Equals(SqlDecimal x, SqlDecimal y);
16	[VB] Shadows Public Shared Function Equals(ByVal x As SqlDecimal, ByVal y
17	As SqlDecimal) As SqlBoolean
18	[JScript] public static hide function Equals(x : SqlDecimal, y : SqlDecimal) :
19	SqlBoolean;
20	
21	Description
22	[.]
23	Floor
24	
25	[C#] public static SqlDecimal Floor(SqlDecimal n);

lee@hayes ≠ 509-324-9256 1008 M51-864US.APP

1	[C++] public: static SqlDecimal Floor(SqlDecimal n)
2	[VB] Public Shared Function Floor(ByVal n As SqlDecimal) As SqlDecima
3	[JScript] public static function Floor(n : SqlDecimal) : SqlDecimal
4	
5	Description
6	[.][.][.]
7	GetHashCode
8	
9	[C#] public override int GetHashCode()
10	[C++] public: int GetHashCode()
11	[VB] Overrides Public Function GetHashCode() As Intege
12	[JScript] public override function GetHashCode() : int
13	
14	Description
15	Returns the hash code for this instance
16	Return Value: A 32-bit signed integer hash code.
17	GreaterThan
18	
19	[C#] public static SqlBoolean GreaterThan(SqlDecimal x, SqlDecimal y)
20	[C++] public: static SqlBoolean GreaterThan(SqlDecimal x, SqlDecimal y)
21	[VB] Public Shared Function GreaterThan(ByVal x As SqlDecimal, ByVal y As
22	SqlDecimal) As SqlBoolean
23	[JScript] public static function GreaterThan(x : SqlDecimal, y : SqlDecimal)
24	SqlBoolean;
25	

lee@hayes pik 509-124-9256 1009 MS1-864US.APP

[C#] public static SqlBoolean GreaterThanOrEqual(SqlDecimal x, SqlDecimal y); [C++] public: static SqlBoolean GreaterThanOrEqual(SqlDecimal x, SqlDecimal y); 8 [VB] Public Shared Function GreaterThanOrEqual(ByVal x As SqlDecimal, 9 Desce area SqlDecimal) ByVal у As As 10 [JScript] public static function GreaterThanOrEqual(x : SqlDecimal, y : 11 SqlDecimal) 12 13 Description 14 [.] 15 LessThan 16 17 [C#] public static SqlBoolean LessThan(SqlDecimal x, SqlDecimal y); 18 [C++] public: static SqlBoolean LessThan(SqlDecimal x, SqlDecimal y); 19 [VB] Public Shared Function LessThan(ByVal x As SqlDecimal, ByVal y As 20 SqlDecimal) As 21

[JScript] public static function LessThan(x : SqlDecimal, y : SqlDecimal) :

SqlBoolean

SqlBoolean

SqlBoolean;

SqlBoolean;

Description

22

23

24

Description

[.]

GreaterThanOrEqual

2

3

5

1	[.]
2	LessThanOrEqual
3	
4	[C#] public static SqlBoolean LessThanOrEqual(SqlDecimal x, SqlDecimal y)
5	[C++] public: static SqlBoolean LessThanOrEqual(SqlDecimal x, SqlDecimal y)
6	[VB] Public Shared Function LessThanOrEqual(ByVal x As SqlDecimal, ByVal y
7	As SqlDecimal) As SqlBoolean
8	[JScript] public static function LessThanOrEqual(x : SqlDecimal, y : SqlDecimal)
9	: SqlBoolean
10	
11	Description
12	[.]
13	Multiply
14	
15	[C#] public static SqlDecimal Multiply(SqlDecimal x, SqlDecimal y)
16	[C++] public: static SqlDecimal Multiply(SqlDecimal x, SqlDecimal y)
17	[VB] Public Shared Function Multiply(ByVal x As SqlDecimal, ByVal y As
18	SqlDecimal) As SqlDecimal
19	[JScript] public static function Multiply(x : SqlDecimal, y : SqlDecimal)
20	SqlDecimal;
21	
22	Description
23	[.]
24	NotEquals
25	

[C#] public static SqlBoolean NotEquals(SqlDecimal x, SqlDecimal y);			
[C++] public: static SqlBoolean NotEquals(SqlDecimal x, SqlDecimal y);			
[VB] Public Shared Function NotEquals(ByVal x As SqlDecimal, ByVal y As			
SqlDecimal) As SqlBoolean			
[JScript] public static function NotEquals(x : SqlDecimal, y : SqlDecimal) :			
SqlBoolean;			
Description			
[]			
op_Addition			
[C#] public static SqlDecimal operator +(SqlDecimal x, SqlDecimal y);			
[C++] public: static SqlDecimal op_Addition(SqlDecimal x, SqlDecimal y);			
[VB] returnValue = SqlDecimal.op_Addition(x, y)			
[JScript] returnValue = x + y;			
Description			
The addition operator calcuates the sum of the two			
System.Data.SqlTypes.SqlDecimal operators.			
Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose			
System.Data.SqlTypes.SqlDecimal.Value property contains the sum. A			
System.Data.SqlTypes.SqlDecimal structure. A			
System.Data.SqlTypes.SqlDecimal structure.			
op_Division			

[C#] public static SqlDecimal operator /(SqlDecimal x, SqlDecimal y);
[C++] public: static SqlDecimal op_Division(SqlDecimal x, SqlDecimal y);
[VB] returnValue = SqlDecimal.op_Division(x, y)
[JScript] returnValue = x / y;

Description

The division operator calculates the results of dividing the first System.Data.SqlTypes.SqlDecimal operand by the second.

Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.SqlDecimal.Value property contains the results of the division. A System.Data.SqlTypes.SqlDecimal structure. A System.Data.SqlTypes.SqlDecimal structure.

op_Equality

[C#] public static SqlBoolean operator ==(SqlDecimal x, SqlDecimal y);
[C++] public: static SqlBoolean op_Equality(SqlDecimal x, SqlDecimal y);
[VB] returnValue = SqlDecimal.op_Equality(x, y)
[JScript] returnValue = x == y;

Description

Performs a logical comparison of the two System.Data.SqlTypes.SqlDecimal operands to determine if they are equal.

Return Value: A System.Data.SqlTypes.SqlBoolean that is System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or

lee@hayes.pt 509-324-9256 1013 MS1-864US.APP

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

System	.Data.SqlT	ypes.SqlB	oolean.F	alse if the	two instances	are not equa	al. If
either	instance	of Sys	stem.Da	ta.SqlType	s.SqlDecimal	is null,	the
System	.Data.SqlT	ypes.SqlB	oolean.V	/alue	of		the
System	.Data.SqlT	ypes.SqlB	oolean		will		be
System	.Data.SqlT	ypes.SqlB	oolean.N	Null . A Sy	stem.Data.Sql7	Types.SqlDec	imal
structu	re. A Systen	n.Data.Sql	Types.S	qlDecimal	structure.		
(op_Explicit						
[C#]	public	static e	xplicit	operator	SqlDecimal(SqlBoolean	x);
[C++]	public:	static	SqlI	Decimal	op_Explicit(S	qlBoolean	x);

Description

returnValue

returnValue

[VB]

[JScript]

Converts the supplied System.Data.SqlTypes.SqlBit structure to System.Data.SqlTypes.SqlDecimal

SqlDecimal.op Explicit(x)

SqlDecimal(x);

Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.SqlDecimal.Value is equal to the System.Data.SqlTypes.SqlBit.ByteValue of the System.Data.SqlTypes.SqlBit parameter. The System.Data.SqlTypes.SqlBit structure to be converted.

op_Explicit

[C#] public static explicit operator decimal(SqlDecimal x);
[C++] public: static Decimal op_Explicit();
[VB] returnValue = SqlDecimal.op_Explicit(x)

lee@hayes.pk 509-124-9256 1014 MS1-864US.APP

1	[JScript] returnValue = Decimal(x);
2	
3	Description
4	Converts the System.Data.SqlTypes.SqlDecimal parameter to
5	System.Decimal .
6	Return Value: A new System.Decimal structure whose value equals the
7	System.Data.SqlTypes.SqlDecimal.Value of the
8	System.Data.SqlTypes.SqlDecimal parameter. The
9	System.Data.SqlTypes.SqlDecimal structure to be converted.
10	op_Explicit
11	
12	[C#] public static explicit operator SqlDecimal(SqlDouble x);
13	[C++] public: static SqlDecimal op_Explicit(SqlDouble x);
14	[VB] returnValue = SqlDecimal.op_Explicit(x)
15	[JScript] returnValue = SqlDecimal(x);
16	
17	Description
18	Converts the supplied System.Data.SqlTypes.SqlDouble structure to
19	System.Data.SqlTypes.SqlDecimal .
20	Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose
21	System.Data.SqlTypes.SqlDecimal.Value equals the
22	System.Data.SqlTypes.SqlDouble.Value of the
23	System.Data.SqlTypes.SqlDouble parameter. The
24	System.Data.SqlTypes.SqlDouble structure to be converted.
25	op_Explicit

[C#] public static explicit operator SqlDecimal(SqlSingle x	k);
[C++] public: static SqlDecimal op_Explicit(SqlSingle x	();
[VB] returnValue = SqlDecimal.op_Explicit(x)
[JScript] returnValue = SqlDecimal(x	();
Description	
Converts the supplied System.Data.SqlTypes.SqlSingle structure	to
System.Data.SqlTypes.SqlDecimal	
Return Value: A new System.Data.SqlTypes.SqlDecimal structure who	se
System.Data.SqlTypes.SqlDecimal.Value property equals the	he
System.Data.SqlTypes.SqlSingle.Value of the System.Data.SqlTypes.SqlSing	le
parameter. The System.Data.SqlTypes.SqlSingle structure to be converted.	
op_Explicit	
[C#] public static explicit operator SqlDecimal(SqlString x	();
[C++] public: static SqlDecimal op_Explicit(SqlString x	();
[VB] returnValue = SqlDecimal.op_Explicit(x)
[JScript] returnValue = SqlDecimal(x	();
Description	
Converts the supplied System.Data.SqlTypes.SqlString parameter	to
System.Data.SqlTypes.SqlDecimal	
Return Value: A new System.Data.SqlTypes.SqlDecimal structure who	se
System.Data.SqlTypes.SqlDecimal.Value equals the value represented by the	he

[C++] public:

SqlDecimal

24

25

System.Data.SqlTypes.SqlString The parameter. System.Data.SqlTypes.SqlString object to be converted. 2 op GreaterThan 3 4 [C#] public static SqlBoolean operator >(SqlDecimal x, SqlDecimal y); 5 [C++] public: static SqlBoolean op GreaterThan(SqlDecimal x, SqlDecimal y); returnValue [VB] SqlDecimal.op GreaterThan(x, y) 7 [JScript] returnValue > X у; 8 9 Description 10 Performs a logical comparison of two System.Data.SqlTypes.SqlDecimal 11 structures to determine if the first is greater than the 12 Return Value: Α System.Data.SqlTypes.SqlBoolean that is 13 System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the 14 second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either 15 instance of System.Data.SqlTypes.SqlDecimal is null, the 16 System.Data.SqlTypes.SqlBoolean.Value of the 17 System.Data.SqlTypes.SqlBoolean will be 18 System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlDecimal 19 structure. A System.Data.SqlTypes.SqlDecimal structure. 20 op GreaterThanOrEqual 21 22 [C#] public static SqlBoolean operator >=(SqlDecimal x, SqlDecimal y); 23

static SqlBoolean op GreaterThanOrEqual(SqlDecimal

y);

[VB] SqlDecimal.op GreaterThanOrEqual(x, returnValue y) [JScript] returnValue Х у; 2 3 Description 4 Performs logical comparison of the two 5 System.Data.SqlTypes.SqlDecimal parameters to determine if the first is greater 6 than equal to the second. or 7 Return Value: Α System.Data.SqlTypes.SqlBoolean that is 8 System.Data.SqlTypes.SqlBoolean.True if the first instance is greaater than or 9 equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False 10 . If either instance of System.Data.SqlTypes.SqlDecimal is null, 11 System.Data.SqlTypes.SqlBoolean.Value of the 12 will System.Data.SqlTypes.SqlBoolean be 13 System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlDecimal 14 structure. A System.Data.SqlTypes.SqlDecimal structure. 15 op Implicit 16 17 public implicit operator SqlDecimal(decimal [C#] static x); 18 [C++]SqlDecimal op Implicit(Decimal public: static x); 19 returnValue [VB] SqlDecimal.op Implicit(x) 20 [JScript] returnValue x; 21 22 Description 23 the System.Decimal value Converts to 24 System.Data.SqlTypes.SqlDecimal 25

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.SqlDecimal.Value property equals the value of the System.Decimal parameter. The decimal value to be converted.

op Implicit

SqlDecimal(SqlByte implicit operator [C#] public static x); [C++]SqlDecimal op Implicit(SqlByte public: static x); [VB] returnValue SqlDecimal.op_Implicit(x) [JScript] returnValue x;

Description

Converts the supplied System.Data.SqlTypes.SqlByte structure to System.Data.SqlTypes.SqlDecimal . The System.Data.SqlTypes.SqlByte structure to be converted.

op Implicit

SqlDecimal(SqlInt16 [C#] public static implicit operator x); SqlDecimal op Implicit(SqlInt16 [C++] public: static x); returnValue SqlDecimal.op Implicit(x) [VB] returnValue [JScript] x;

Description

Converts the supplied System.Data.SqlTypes.SqlInt16 structure to System.Data.SqlTypes.SqlDecimal

Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose

lee@hayes_pac 509-324-9256 1019 MS1-864US.APP

System.Data.SqlTypes.SqlInt16.Value property of the System.Data.SqlTypes.SqlInt16 structure to be converted. System.Data.SqlTypes.SqlInt16 structure to be converted. C# public static implicit operator SqlDecimal(SqlInt32 x);
System.Data.SqlTypes.SqlInt16 structure to be converted. op_Implicit [C#] public static implicit operator SqlDecimal(SqlInt32 x); [C++] public: static SqlDecimal op_Implicit(SqlInt32 x); [VB] returnValue = SqlDecimal.op_Implicit(x) [JScript] returnValue = x; Description Converts the supplied System.Data.SqlTypes.SqlInt32 structure to System.Data.SqlTypes.SqlDecimal Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.Value property of the System.Data.SqlTypes.SqlInt32
C# public static implicit operator SqlDecimal(SqlInt32 x);
[C#] public static implicit operator SqlDecimal(SqlInt32 x); [C++] public: static SqlDecimal op_Implicit(SqlInt32 x); [VB] returnValue = SqlDecimal.op_Implicit(x) [JScript] returnValue = x; Description Converts the supplied System.Data.SqlTypes.SqlInt32 structure to System.Data.SqlTypes.SqlDecimal Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.Value property is equal to the System.Data.SqlTypes.SqlInt32
[C++] public: static SqlDecimal op_Implicit(SqlInt32 x); [VB] returnValue = SqlDecimal.op_Implicit(x) [JScript] returnValue = x; Description Converts the supplied System.Data.SqlTypes.SqlInt32 structure to System.Data.SqlTypes.SqlDecimal Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.Value property is equal to the System.Data.SqlTypes.SqlInt32
[C++] public: static SqlDecimal op_Implicit(SqlInt32 x); [VB] returnValue = SqlDecimal.op_Implicit(x) [JScript] returnValue = x; Description Converts the supplied System.Data.SqlTypes.SqlInt32 structure to System.Data.SqlTypes.SqlDecimal Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.Value property is equal to the System.Data.SqlTypes.SqlInt32
[VB] returnValue = SqlDecimal.op_Implicit(x) [JScript] returnValue = x; Description Converts the supplied System.Data.SqlTypes.SqlInt32 structure to System.Data.SqlTypes.SqlDecimal Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.Value property is equal to the System.Data.SqlTypes.Value property of the System.Data.SqlTypes.SqlInt32
[JScript] returnValue = x; Description Converts the supplied System.Data.SqlTypes.SqlInt32 structure to System.Data.SqlTypes.SqlDecimal Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.Value property is equal to the System.Data.SqlTypes.SqlInt32
Description Converts the supplied System.Data.SqlTypes.SqlInt32 structure to System.Data.SqlTypes.SqlDecimal Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.Value property is equal to the System.Data.SqlTypes.Value property of the System.Data.SqlTypes.SqlInt32
Converts the supplied System.Data.SqlTypes.SqlInt32 structure to System.Data.SqlTypes.SqlDecimal . Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.Value property is equal to the System.Data.SqlTypes.Value property of the System.Data.SqlTypes.SqlInt32
Converts the supplied System.Data.SqlTypes.SqlInt32 structure to System.Data.SqlTypes.SqlDecimal . Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.Value property is equal to the System.Data.SqlTypes.Value property of the System.Data.SqlTypes.SqlInt32
System.Data.SqlTypes.SqlDecimal . Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.Value property is equal to the System.Data.SqlTypes.Value property of the System.Data.SqlTypes.SqlInt32
Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.Value property is equal to the System.Data.SqlTypes.Value property of the System.Data.SqlTypes.SqlInt32
System.Data.SqlTypes.Value property is equal to the System.Data.SqlTypes.Value property of the System.Data.SqlTypes.SqlInt32
System.Data.SqlTypes.Value property of the System.Data.SqlTypes.SqlInt32
parameter. The System Data SalTynes SalInt32 structure to be converted
parameter. The System Data Sqrii y pesioquinto a structure to se converted.
op_Implicit
[C#] public static implicit operator SqlDecimal(SqlInt64 x);
[C++] public: static SqlDecimal op_Implicit(SqlInt64 x);
[VB] returnValue = SqlDecimal.op_Implicit(x)
[JScript] returnValue = x;

-	Zeese Proces
3	Converts the supplied System.Data.SqlTypes.SqlInt64 structure to
4	SqlDecimal.
5	Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose
6	System.Data.SqlTypes.SqlDecimal.Value equals the
7	System.Data.SqlTypes.SqlInt64.Value of the System.Data.SqlTypes.SqlInt64
8	parameter. The System.Data.SqlTypes.SqlInt64 structure to be converted.
9	op_Implicit
10	
11	[C#] public static implicit operator SqlDecimal(SqlMoney x);
12	[C++] public: static SqlDecimal op_Implicit(SqlMoney x);
13	[VB] returnValue = SqlDecimal.op_Implicit(x)
14	[JScript] returnValue = x;
15	
16	Description
17	Converts the System.Data.SqlTypes.SqlMoney operand to
18	System.Data.SqlTypes.SqlDecimal .
19	Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose
20	System.Data.SqlTypes.SqlDecimal.Value equals the
21	System.Data.SqlTypes.SqlMoney.Value of the
22	System.Data.SqlTypes.SqlMoney parameter. The
23	System.Data.SqlTypes.SqlMoney structure to be converted.
24	op_Inequality
25	

[C#] public static SqlBoolean operator !=(SqlDecimal x, SqlDecimal y);
[C++] public: static SqlBoolean op_Inequality(SqlDecimal x, SqlDecimal y);
[VB] returnValue = SqlDecimal.op_Inequality(x, y)
[JScript] returnValue = x != y;
Description
Performs a logical comparison of the two
System.Data.SqlTypes.SqlDecimal parameters to determine if they are equal.
Return Value: A System.Data.SqlTypes.SqlBoolean that is
System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or
System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either
instance of System.Data.SqlTypes.SqlDecimal is null, the
System.Data.SqlTypes.SqlBoolean.Value of the
System.Data.SqlTypes.SqlBoolean will be
System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlDecimal
structure. A System.Data.SqlTypes.SqlDecimal structure.
op_LessThan
[C#] public static SqlBoolean operator
[C++] public: static SqlBoolean op_LessThan(SqlDecimal x, SqlDecimal y);
[VB] returnValue = SqlDecimal.op_LessThan(x, y)
[JScript] returnValue = x < y;
Description

lee@hayes pt 509-324-9256 1022 MS1-864US.APP

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

25

Performs a logical comparison of two System.Data.SqlTypes.SqlDecimal determine if the first is less than the structures to second. Return Value: Α System.Data.SqlTypes.SqlBoolean that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either of instance System.Data.SqlTypes.SqlDecimal is null. the System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlDecimal structure. A System.Data.SqlTypes.SqlDecimal structure.

op_LessThanOrEqual

[C#] public static SqlBoolean operator <=(SqlDecimal x, SqlDecimal y); [C++] public: static SqlBoolean op_LessThanOrEqual(SqlDecimal x, SqlDecimal y);

[VB] returnValue = SqlDecimal.op_LessThanOrEqual(x, y)

[JScript] returnValue = x <= y;

Description

Performs logical comparison of the two a System.Data.SqlTypes.SqlDecimal parameters to determine if the first is less than equal the second. or to Value: System.Data.SqlTypes.SqlBoolean Return Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False . If

System.Data.SqlTypes.SqlDecimal either instance of is null, the System.Data.SqlTypes.SqlBoolean.Value of the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlDecimal structure. A System.Data.SqlTypes.SqlDecimal structure. op Multiply

7

2

3

5

6

9

8

10 11

12

13

14 15

> 16 17

18 19

21

20

22

24 25 [C#] public static SqlDecimal operator *(SqlDecimal x, SqlDecimal y);
[C++] public: static SqlDecimal op_Multiply(SqlDecimal x, SqlDecimal y);
[VB] returnValue = SqlDecimal.op_Multiply(x, y)
[JScript] returnValue = x * y;

Description

The multiplication operator computes the product of the two System.Data.SqlTypes.SqlDecimal parameters.

Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose System.Data.SqlTypes.SqlDecimal.Value property contains the product of the multiplication. A System.Data.SqlTypes.SqlDecimal structure. A System.Data.SqlTypes.SqlDecimal structure.

op_Subtraction

[C#] public static SqlDecimal operator -(SqlDecimal x, SqlDecimal y);
[C++] public: static SqlDecimal op_Subtraction(SqlDecimal x, SqlDecimal y);
[VB] returnValue = SqlDecimal.op_Subtraction(x, y)
[JScript] returnValue = x - y;

lee@hayes pk 509-324-9256 1024 MS1-864US.APP

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

The System.Data.SqlTypes.subtraction operator calcuates the results of subtracting the second System.Data.SqlTypes.SqlDecimal operand from the first.

Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose Value property contains the results of the subtraction. A System.Data.SqlTypes.SqlDecimal structure.

A System.Data.SqlTypes.SqlDecimal structure.

op UnaryNegation

```
-(SqlDecimal
[C#]
         public
                   static
                             SqlDecimal
                                             operator
                                                                           x);
                                          op UnaryNegation(SqlDecimal
[C++]
         public:
                   static
                           SqlDecimal
                                                                           x);
                                             SqlDecimal.op_UnaryNegation(x)
[VB]
              returnValue
                          returnValue
[JScript]
                                                                           -x;
```

Description

The unary minus operator negates the **System.Data.SqlTypes.SqlDecimal** parameter.

Return Value: A new System.Data.SqlTypes.SqlDecimal structure whose value contains the results of the negation. The System.Data.SqlTypes.SqlDecimal structure to be negated.

Parse

[C#]	public	static	SqlDecimal	Parse(string	s);
[C++]	public:	static	SqlDecimal	Parse(String*	s);

lee@hayes ≠ 509-324-9356 1025 MS1-864US.APP

1	[VB] Public Shared Function Parse(ByVal s As String) As SqlDecimal
2	[JScript] public static function Parse(s : String) : SqlDecimal;
3	
4	Description
5	[.][.]
6	Power
7	
8	[C#] public static SqlDecimal Power(SqlDecimal n, double exp);
9	[C++] public: static SqlDecimal Power(SqlDecimal n, double exp);
10	[VB] Public Shared Function Power(ByVal n As SqlDecimal, ByVal exp As
11	Double) As SqlDecimal
12	[JScript] public static function Power(n : SqlDecimal, exp : double) : SqlDecimal;
13	·
14	Description
15	[.][.][.]
16	Round
17	
18	[C#] public static SqlDecimal Round(SqlDecimal n, int position);
19	[C++] public: static SqlDecimal Round(SqlDecimal n, int position);
20	[VB] Public Shared Function Round(ByVal n As SqlDecimal, ByVal position As
21	Integer) As SqlDecimal
22	[JScript] public static function Round(n : SqlDecimal, position : int) : SqlDecimal;
23	
24	Description
25	[.][.][.]

1	Sign						
2							
3	[C#] public	static	SqlInt32	Sign(SqlDecin	mal n);		
4	[C++] public:	static	SqlInt32	Sign(SqlDeci	mal n);		
5	[VB] Public Shared	Function Sig	gn(ByVal n As	SqlDecimal)	As SqlInt32		
6	[JScript] public sta	atic function	n Sign(n :	SqlDecimal)	: SqlInt32;		
7							
8	Description						
9	[][][]						
10	Subtract						
11							
12	[C#] public static	SqlDecimal	Subtract(SqlDe	cimal x, Sql	Decimal y);		
13	[C++] public: static SqlDecimal Subtract(SqlDecimal x, SqlDecimal y);						
14	[VB] Public Shared Function Subtract(ByVal x As SqlDecimal, ByVal y As						
15	SqlDecimal)		As		SqlDecimal		
16	[JScript] public static function Subtract(x : SqlDecimal, y : SqlDecimal) :						
17	SqlDecimal;						
18							
19	Description						
20	[.]						
21	ToDouble						
22							
23	[C#] I	oublic	double		ToDouble();		
24	[C++]	public:	double	;	ToDouble();		
25	[VB] Public	Function	ToDoub	le() As	Double		

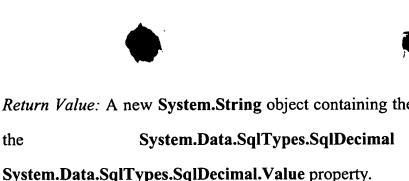
lee@hayes ≠k 599-324-9256 1027 MS1-864US.APP

1	[JScript]	public	functi	on	ToDouble()) :	double;
2							
3	Description	ı					
4	Reti	ırns the	a double	equal	to the	content	s of the
5	System.Da	ta.SqlTypes	s.SqlDecimal	.Value	property	of this	instance.
6	Return Value: The decimal represer				ntation	of the	
7	System.Da	ta.SqlTypes	s.SqlDecimal	.Value pro	operty.		
8	ToS	qlBoolean					
9							
10	[C#]	publ	lic	SqlBo	olean	To	SqlBoolean();
11	[C++]	pub	olic:	SqlBo	oolean	To	SqlBoolean();
12	[VB]	Public	Function	ToSqlI	Boolean()	As	SqlBoolean
13	[JScript]	public	function	ToSo	qlBoolean()	:	SqlBoolean;
. 14							
15	Description	ı					
16							
17	ToS	qlByte					
18							
19	[C#]	рı	ıblic	S	qlByte		ToSqlByte();
20	[C++]	p	oublic:	S	SqlByte		ToSqlByte();
21	[VB]	Public	Function	To	SqlByte()	As	SqlByte
22	[JScript]	public	function	on '	FoSqlByte()	:	SqlByte;
23							
24	Description	ı					
25	[.]						

1	ToSqlDouble					
2						
3	[C#]	publ	ic	SqlDouble	ToSqlDouble();	
4	[C++]	pub	lic:	SqlDouble	ToSqlDouble()	
5	[VB]	Public	Function	ToSqlDouble()	As	SqlDouble
6	[JScript]	public	function	ToSqlDouble()	:	SqlDouble;
7						
8	Description					
9	[.]					
10	ToSo	qlInt16				
11						
12	[C#]	pul	olic	SqlInt16	ToSqlInt16();	
13	[C++]	pu	ıblic:	SqlInt16	ToSqlInt16();	
14	[VB]	Public	Function	ToSqlInt16()	As	SqlInt16
15	[JScript]	public	function	ToSqlInt16()	:	SqlInt16;
16						
17	Description	:				
18	[.]					
19	ToSo	qlInt32				
20						
21	[C#]	pul	olic	SqlInt32	ToSqlInt32();	
22	[C++]	pι	ıblic:	SqlInt32	ToSqlInt32()	
23	[VB]	Public	Function	ToSqlInt32()	As	SqlInt32
24	[JScript]	public	function	ToSqlInt32()	:	SqlInt32;
25						

Description 2 [.] 3 ToSqlInt64 5 SqlInt64 ToSqlInt64(); [C#] public 6 public: SqlInt64 ToSqlInt64(); [C++]7 **Function** ToSqlInt64() SqlInt64 [VB] Public As 8 ToSqlInt64() SqlInt64; public function [JScript] 9 10 Description 11 [.] 12 ToSqlMoney 13 14 SqlMoney ToSqlMoney(); [C#] public 15 SqlMoney ToSqlMoney(); public: [C++]16 **Public Function** ToSqlMoney() SqlMoney · [VB] As 17 ToSqlMoney() [JScript] public function SqlMoney; 18 19 Description 20 [.] 21 ToSqlSingle 22 23 SqlSingle ToSqlSingle(); public [C#] 24 SqlSingle public: ToSqlSingle();

1	[VB]	Public	Function	ToSqlSir	ngle()	As	SqlSingle
2	[JScript]	public	function	ToSqlS	Single()	:	SqlSingle;
3							
4	Descriptio	n					
5	[.]					
6	To	SqlString					
7							
8	[C#]	pub	olic	SqlStrin	ıg		ToSqlString();
9	[C++]	pu	blic:	SqlStri	ng		ToSqlString();
10	[VB]	Public	Function	ToSqlSt	ring()	As	SqlString
11	[JScript]	public	function	ToSql	String()	:	SqlString;
12							
13	Descriptio	on					
14	[.]					
15	To	String					
16							
17	[C#]	public	ove	erride	string		ToString();
18	[C++]	ŗ	oublic:	Stri	ng*		ToString();
19	[VB]	Overrides	Public	Function	ToString	g()	As String
20	[JScript]	public ove	rride functi	on ToStrin	g() : S	String;	Converts a
21	System.D	ata.SqlTypes	.SqlDecimal	structure	to	Syste	em.String .
22							
23	Descriptio	on	•				
24	Co	nverts this	System.D	ata.SqlType:	s.SqlDecir	nal	structure to
25	System.St	ring					



Return Value: A new System.String object containing the string representation of System.Data.SqlTypes.SqlDecimal structure's the

Truncate

2

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

SqlDecimal Truncate(SqlDecimal n, position); [C#] public static int [C++] public: static SqlDecimal Truncate(SqlDecimal n, int position); [VB] Public Shared Function Truncate(ByVal n As SqlDecimal, ByVal position As Integer) As SqlDecimal [JScript] public static function Truncate(n : SqlDecimal, position : int) : SqlDecimal;

Description

[.][.][.][.]

SqlDouble structure (System.Data.SqlTypes)

Truncate

Description

Represents a floating-point number within the range of -1.79E +308 through 1.79E +308 to be stored in or retrieved from a database.

Truncate

[C#] public static readonly SqlDouble MaxValue; SqlDouble MaxValue; public: static [C++]

1032 MS1-864US.APP lee@hayes ax 509-324-9256

1	[VB]	Public	Shared	ReadOnly	MaxValue	As	SqlDouble
2	[JScript]	public	static	var	MaxValue	:	SqlDouble;
3				,.			, .
4	Description	on					·
5	A.	constant	represe	nting the	maximum	value	for a
6	System.D	ata.SqlTyp	es.SqlDoub	le structure.			
7	Th	is value is 1	.79E+308 [.]			
8	Tr	uncate					
9							-
10	[C#]	public	static	readonly	SqlDo	uble	MinValue;
11	[C++]	publi	ic:	static	SqlDouble	e	MinValue;
12	[VB]	Public	Shared	ReadOnly	MinValue	As	SqlDouble
13	[JScript]	public	static	var	MinValue	:	SqlDouble;
14							
15	Description	on					
16	Α	constant	represent	ing the r	minimum p	possible	value of
17	System.D	ata.SqlTyp	es.SqlDoub	ole .			
18	Th	is value is -1	.79E+308 [.]	,		
19	Tr	uncate					,
20				,			
21	[C#]	public	static	reado	nly So	qlDouble	Null;
22	[C++]	pub	lic:	static	SqlDo	ouble	Null;
23	[VB]	Public	Shared	ReadOnly	Null	As	SqlDouble
24	[JScript]	public	stati	c var	Null	:	SqlDouble;
25							

lee⊗hayes pt 509-124-9256 1033 MSI-864US.APP

2

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Description

value assigned Represents null that can be the System.Data.SqlTypes.SqlDouble.Value property of an instance of the System.Data.SqlTypes.SqlDouble structure.

System.Data.SqlTypes.SqlDouble.Null functions as a constant for the System.Data.SqlTypes.SqlDouble structure.

Truncate

[C#]	public	static	readonly	S	SqlDouble	Zero;
[C++]	publ	ic:	static	SqlD	Oouble	Zero;
[VB]	Public	Shared	ReadOnly	Zero	As	SqlDouble
[JScript]	public	static	var	Zero	:	SqlDouble;

Description

Represents value be assigned the zero that can System.Data.SqlTypes.SqlDouble.Value property of an instance of the System.Data.SqlTypes.SqlDouble structure.

The System.Data.SqlTypes.SqlDouble.Zero field is a constant for the System.Data.SqlTypes.SqlDouble structure.

SqlDouble

Example Syntax:

Truncate

[C#] public SqlDouble(double value);

1034 MS1-864US.APP lee@haves asc 509-324-9256

[C++] public: SqlDouble(double value); **Public** Double) [VB] Sub New(ByVal value As public function SqlDouble(value double); [JScript] 3 4 Description 5 Initializes a new instance of the System.Data.SqlTypes.SqlDouble 6 structure using the supplied double parameter to set the new SqlDouble structure's 7 System.Data.SqlTypes.SqlDouble.Value property. A double whose value will be 8 used for the new System.Data.SqlTypes.SqlDouble. 9 **IsNull** 10 Truncate 11 12 IsNull public bool {get;} [C#] 13 public: get IsNull(); [C++]bool property 14 [VB] **Public** ReadOnly **Property** IsNull As Boolean 15 function Boolean; public IsNull() [JScript] : get 16 17 Description 18 Indicates whether or not System.Data.SqlTypes.SqlDouble.Value is null. 19 Value 20 Truncate 21 . 22 public [C#] double Value {get;} 23 [C++]public: property double get Value(); 24 **Public** ReadOnly Property Value As Double [VB]

[JScript] function public Value() double; : get 2 Description 3 Gets the value of the System.Data.SqlTypes.SqlDouble structure. This 4 property is read-only. 5 Add 6 7 [C#] public static SqlDouble Add(SqlDouble SqlDouble х, y); 8 [C++]public: static SqlDouble Add(SqlDouble x, SqlDouble y); 9 [VB] Public Shared Function Add(ByVal x As SqlDouble, ByVal y As 10 SqlDouble) SqlDouble As 11 [JScript] public static function Add(x : SqlDouble, y : SqlDouble) : SqlDouble; 12 13 Description 14 [.] 15 CompareTo 16 17 [C#] CompareTo(object public int value); 18 public: sealed CompareTo(Object* [C++] int value); 19 [VB] NotOverridable Public Function CompareTo(ByVal value As Object) As 20 Integer 21 [JScript] public function CompareTo(value Object) int; 22 23 Description 24 25

1	Compares this instance to the supplied object and returns an indication of					
2	their relative values.					
3	Return Value: A signed number indicating the relative values of the instance and					
4	the object. The object to compare.					
5	Divide					
6						
7	[C#] public static SqlDouble Divide(SqlDouble x, SqlDouble y);					
8	[C++] public: static SqlDouble Divide(SqlDouble x, SqlDouble y);					
9	[VB] Public Shared Function Divide(ByVal x As SqlDouble, ByVal y As					
10	SqlDouble As SqlDouble					
11	[JScript] public static function Divide(x : SqlDouble, y : SqlDouble) : SqlDouble;					
12						
13	Description					
14	[.]					
15	Equals					
16						
17	[C#] public override bool Equals(object value);					
18	[C++] public: bool Equals(Object* value);					
19	[VB] Overrides Public Function Equals(ByVal value As Object) As Boolean					
20	[JScript] public override function Equals(value : Object) : Boolean;					
21						
22	Description					
23	Compares the supplied object parameter to the					
24	System.Data.SqlTypes.SqlDateTime.Value property of the					
25	System.Data.SqlTypes.SqlDouble object.					

MS1-864US.APP lee@hayes ≠ 509-324-9256

Return Value: true if object is an instance of System.Data.SqlTypes.SqlByte and 1 the two are equal; otherwise false. The object to be compared. 2 **Equals** 3 4 [C#] public static new SqlBoolean Equals(SqlDouble x, SqlDouble y); 5 SqlBoolean Equals(SqlDouble x, SqlDouble y); [C++] public: static [VB] Shadows Public Shared Function Equals(ByVal x As SqlDouble, ByVal y 7 SqlDouble) As SqlBoolean As 8 [JScript] public static hide function Equals(x : SqlDouble, y : SqlDouble) : 9 SqlBoolean; 10 11 Description 12 [.]13 GetHashCode 14 15 public override int GetHashCode(); [C#] 16 public: GetHashCode(); [C++]int 17 Overrides **Function** GetHashCode() [VB] Public Integer As 18 public function GetHashCode() [JScript] override int; 19 20 Description 21 Returns the hash code for this instance. 22 Return Value: A 32-bit signed integer hash code. 23 GreaterThan 24 25

[C#] public static SqlBoolean GreaterThan(SqlDouble x, SqlDouble y);
[C++] public: static SqlBoolean GreaterThan(SqlDouble x, SqlDouble y);
[VB] Public Shared Function GreaterThan(ByVal x As SqlDouble, ByVal y As
SqlDouble) As SqlBoolean
[JScript] public static function GreaterThan(x : SqlDouble, y : SqlDouble) :
SqlBoolean;
Description
[.]
GreaterThanOrEqual
[C#] public static SqlBoolean GreaterThanOrEqual(SqlDouble x, SqlDouble y);
[C++] public: static SqlBoolean GreaterThanOrEqual(SqlDouble x, SqlDouble y);
[VB] Public Shared Function GreaterThanOrEqual(ByVal x As SqlDouble, ByVal
y As SqlDouble) As SqlBoolean
[JScript] public static function GreaterThanOrEqual(x : SqlDouble, y : SqlDouble)
: SqlBoolean;
Description
[.]
LessThan
[C#] public static SqlBoolean LessThan(SqlDouble x, SqlDouble y);
[C++] public: static SqlBoolean LessThan(SqlDouble x, SqlDouble y);

```
[VB] Public Shared Function LessThan(ByVal x As SqlDouble, ByVal y As
    SqlDouble)
                                                                    SqlBoolean
                                        As
    [JScript] public static function LessThan(x : SqlDouble, y : SqlDouble) :
    SqlBoolean;
5
    Description
          [.]
7
          LessThanOrEqual
8
9
    [C#] public static SqlBoolean LessThanOrEqual(SqlDouble x, SqlDouble y);
10
    [C++] public: static SqlBoolean LessThanOrEqual(SqlDouble x, SqlDouble y);
11
    [VB] Public Shared Function LessThanOrEqual(ByVal x As SqlDouble, ByVal y
12
                       SqlDouble)
    As
                                                 As
                                                                    SqlBoolean
13
    [JScript] public static function LessThanOrEqual(x : SqlDouble, y : SqlDouble) :
14
    SqlBoolean;
15
16
    Description
17
          [ . ]
18
          Multiply
19
20
    [C#]
                          SqlDouble Multiply(SqlDouble x,
                                                                SqlDouble
          public
                   static
                                                                            y);
21
    [C++] public: static SqlDouble Multiply(SqlDouble x,
                                                                SqlDouble
22
    [VB] Public Shared Function Multiply(ByVal x As SqlDouble, ByVal y As
23
    SqlDouble)
                                                                     SqlDouble
                                        As
24
    [JScript] public static function Multiply(x : SqlDouble, y : SqlDouble) :
```

lee⊗haves ox 509-1249256 MSJ-864US.APP

SqlDouble; 2 Description 3 [.] 4 NotEquals 5 6 public static SqlBoolean NotEquals(SqlDouble x, [C#] SqlDouble 7 [C++] public: static SqlBoolean NotEquals(SqlDouble x, SqlDouble y); 8 [VB] Public Shared Function NotEquals(ByVal x As SqlDouble, ByVal y As 9 SqlDouble) As SqlBoolean 10 [JScript] public static function NotEquals(x : SqlDouble, y : SqlDouble) : 11 SqlBoolean; 12 13 Description 14 [.] 15 op Addition 16 17 [C#] public static SqlDouble operator +(SqlDouble x, SqlDouble y); 18 [C++] public: static SqlDouble op Addition(SqlDouble x, SqlDouble y); 19 returnValue [VB] SqlDouble.op Addition(x, y) 20 [JScript] returnValue Х у; 21 22 Description 23 The addition of the operator computes the two sum 24 System.Data.SqlTypes.SqlDouble operands.

Return Value: The sum of the two System.Data.SqlTypes.SqlDouble operands. System.Data.SqlTypes.SqlDouble structure. Α 2 System.Data.SqlTypes.SqlDouble structure. 3 op Division 4 5 [C#] public static SqlDouble operator /(SqlDouble x, SqlDouble y); 6 [C++] public: static SqlDouble op Division(SqlDouble x, SqlDouble y); 7 [VB] returnValue SqlDouble.op Division(x, y) 8 [JScript] returnValue X у; 9 10 Description 11 The division operator divides the first System.Data.SqlTypes.SqlDouble 12 operand by the second. 13 The Return Value: results of the division operation. 14 System.Data.SqlTypes.SqlDouble Α structure. 15 System.Data.SqlTypes.SqlDouble structure. 16 op Equality 17 18 [C#] public static SqlBoolean operator ==(SqlDouble x, SqlDouble y); 19 [C++] public: static SqlBoolean op Equality(SqlDouble x, SqlDouble y); 20 [VB] returnValue SqlDouble.op Equality(x, y) 21 [JScript] returnValue X у; 22 23 Description 24 25

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

Performs logical comparison instances of on two System.Data.SqlTypes.SqlDouble determine if to they are equal. Return Value: true if the two values are equal, otherwise false. A System.Data.SqlTypes.SqlDouble structure. Α System.Data.SqlTypes.SqlDouble structure. op Explicit [C#] public explicit operator SqlDouble(SqlBoolean static x); [C++]public: static SqlDouble op Explicit(SqlBoolean x); [VB] returnValue SqlDouble.op Explicit(x) SqlDouble(x); [JScript] returnValue Description the supplied System.Data.SqlTypes.SqlBit parameter System.Data.SqlTypes.SqlDouble Return Value: A new System.Data.SqlTypes.SqlDouble structure whose System.Data.SqlTypes.SqlDouble.Value is either 0 or 1, depending on the System.Data.SqlTypes.SqlBit.ByteValue of property

op Explicit

be converted.

[C#] public static explicit operator double(SqlDouble x);
[C++] public: static double op_Explicit();
[VB] returnValue = SqlDouble.op_Explicit(x)

System.Data.SqlTypes.SqlBit parameter. The System.Data.SqlTypes.SqlBit to

lee@hayes øx 509-324-9256 1043 MS1-864US.APP

[JScript] returnValue Double(x); 2 Description 3 Converts the supplied System. Data. SqlTypes. SqlDouble structure to 4 double. A System.Data.SqlTypes.SqlDouble structure. 5 op Explicit 6 7 [C#] public explicit SqlDouble(SqlString static operator x); 8 [C++]public: static SqlDouble op Explicit(SqlString x); 9 [VB] returnValue SqlDouble.op Explicit(x) 10 SqlDouble(x); [JScript] returnValue 11 12 Description 13 Converts the supplied System.Data.SqlTypes.SqlString parameter to 14 System.Data.SqlTypes.SqlDouble 15 Value: System.Data.SqlTypes.SqlDouble Return Α whose new 16 System.Data.SqlTypes.SqlDouble.Value is equal to the value of the number 17 represented by the System.Data.SqlTypes.SqlString . A SqlString object. 18 op GreaterThan 19 20 [C#] public static SqlBoolean operator >(SqlDouble x, SqlDouble y); 21 [C++] public: static SqlBoolean op GreaterThan(SqlDouble x, SqlDouble y); 22 returnValue SqlDouble.op GreaterThan(x, [VB] y) 23 [JScript] returnValue \mathbf{x} у; 24 25

lee@haves.ak 509-324-936 MSJ-864US-APP

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

instances of System.Data.SqlTypes.SqlDouble Compares two determine if the first greater than ' the second. is Return Value: Α System.Data.SqlTypes.SqlBoolean that System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either of System.Data.SqlTypes.SqlDouble is null, the instance System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlDouble structure. A System.Data.SqlTypes.SqlDouble structure.

op_GreaterThanOrEqual

[C#] public static SqlBoolean operator >=(SqlDouble x, SqlDouble y); [C++] public: static SqlBoolean op_GreaterThanOrEqual(SqlDouble x, SqlDouble y);

[VB] returnValue = SqlDouble.op_GreaterThanOrEqual(x, y)

[JScript] returnValue = x >= y;

Description

of System.Data.SqlTypes.SqlDouble instances two equal determine if the first is greater than or to the second. System.Data.SqlTypes.SqlBoolean Return Value: Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is greaater than or

1	equal to	the secon	d instance,	otherwi	se System.Da	ta.SqlTypes.Sq	lBoolean.l	False
2	. If e	ither ins	tance of	Systen	n.Data.SqlTy	pes.SqlDouble	is null,	the
3	System.	Data.SqlT	ypes.SqlE	Boolean.	Value	of		the
4	System.	Data.SqlT	ypes.SqlE	Boolean		will		be
5	System.	Data.SqlT	Sypes.SqlE	Boolean.	Null . A Sys	tem.Data.SqlTy	pes.SqlDo	uble
6	structure	e. A Systei	n.Data.Sq	lTypes.S	SqlDouble str	ucture.		
7	O)	p_Implicit						
8								
9	[C#]	public	static	implic	it operato	r SqlDouble	e(double	x);
10	[C++]	public	: stat	tic	SqlDouble	op_Implicit(double	x);
11	[VB]	1	returnValu	e	=	SqlDouble	e.op_Implic	cit(x)
12	[JScript]		r	eturnVa	lue	=		x;
13								
14	Descrip	tion		•				
15	C	Converts th	e supplied	double	value to a Sys	tem.Data.SqlTy	pes.SqlDo	uble
16	. The do	uble value	to convert	•				
17	O ₂	p_Implicit						
18								
19	[C#]	public	static	implici	t operator	SqlDouble(SqlByte	x);
20	[C++]	public	: stat	ic S	SqlDouble	op_Implicit(S	qlByte	x);
21	[VB]	1	returnValu	e	=	SqlDouble	e.op_Implic	cit(x)
22	[JScript]		r	eturnVa	lue	=		x;
23								
24	Descripi	tion						
25								

MS1-864US.APP lee@hayes pac 509-324-9256

1	Converts the supplied System.Data.SqlTypes.SqlByte parameter to
2	System.Data.SqlTypes.SqlDouble .
3	Return Value: A System.Data.SqlTypes.SqlDouble structure whose
4	System.Data.SqlTypes.SqlDouble.Value is equal to the
5	System.Data.SqlTypes.SqlByte.Value of the System.Data.SqlTypes.SqlByte
6	parameter. A System.Data.SqlTypes.SqlDouble structure.
7	op_Implicit
8	•
9	[C#] public static implicit operator SqlDouble(SqlDecimal x);
10	[C++] public: static SqlDouble op_Implicit(SqlDecimal x);
11	[VB] returnValue = SqlDouble.op_Implicit(x)
12	[JScript] returnValue = x;
13	
14	Description
15	Converts the supplied System.Data.SqlTypes.SqlDecimal parameter to
16	System.Data.SqlTypes.SqlDouble .
17	Return Value: A new System.Data.SqlTypes.SqlDouble structure whose
18	System.Data.SqlTypes.SqlDouble.Value is equal to the
19	System.Data.SqlTypes.SqlDecimal.Value of the
20	System.Data.SqlTypes.SqlDecimal parameter. A
21	System.Data.SqlTypes.SqlDecimal structure.
22	op_Implicit
23	
24	[C#] public static implicit operator SqlDouble(SqlInt16 x);
25	[C++] public: static SqlDouble op_Implicit(SqlInt16 x);

MS1-864US.APP lee@hayes ptc 509-324-9256

[VB] SqlDouble.op Implicit(x) returnValue [JScript] returnValue x; 2 3 Description Converts the supplied System.Data.SqlTypes.SqlInt16 parameter to 5 System.Data.SqlTypes.SqlDouble 6 Return Value: A new System.Data.SqlTypes.SqlDouble structure whose 7 System.Data.SqlTypes.SqlDouble.Value is equal the to 8 System.Data.SqlTypes.SqlInt16.Value of the System.Data.SqlTypes.SqlInt16 9 parameter. A System.Data.SqlTypes.SqlInt16 structure. 10 op Implicit 11 12 public implicit [C#] static operator SqlDouble(SqlInt32 x); 13 [C++]public: SqlDouble op Implicit(SqlInt32 static x); 14 [VB] returnValue SqlDouble.op Implicit(x) 15 [JScript] returnValue x; 16 17 Description 18 Converts the supplied System.Data.SqlTypes.SqlInt32 parameter to 19 System.Data.SqlTypes.SqlDouble 20 Return Value: Α new System.Data.SqlTypes.SqlDouble whose 21 System.Data.SqlTypes.SqlDouble.Value is equal the to 22 System.Data.SqlTypes.SqlInt32.Value of the System.Data.SqlTypes.SqlInt32 23 parameter. A System.Data.SqlTypes.SqlInt32 structure. 24 op Implicit 25

1	
2	[C#] public static implicit operator SqlDouble(SqlInt64 x);
3	[C++] public: static SqlDouble op_Implicit(SqlInt64 x);
4	[VB] returnValue = SqlDouble.op_Implicit(x)
5	[JScript] returnValue = x;
6	
7	Description
8	Converts the supplied System.Data.SqlTypes.SqlInt64 parameter to
9	System.Data.SqlTypes.SqlDouble
10	Return Value: A new System.Data.SqlTypes.SqlDouble whose
11	System.Data.SqlTypes.SqlDouble.Value is equal to the
12	System.Data.SqlTypes.SqlInt64.Value of the System.Data.SqlTypes.SqlInt64
13	parameter. A System.Data.SqlTypes.SqlInt64 structure.
14	op_Implicit
15	-
16	[C#] public static implicit operator SqlDouble(SqlMoney x);
17	[C++] public: static SqlDouble op_Implicit(SqlMoney x);
18	[VB] returnValue = SqlDouble.op_Implicit(x)
19	[JScript] returnValue = x;
20	
21	Description
22	Converts the supplied System.Data.SqlTypes.SqlMoney parameter to
23	System.Data.SqlTypes.SqlDouble .
24	Return Value: A new System.Data.SqlTypes.SqlDouble whose
25	System.Data.SqlTypes.SqlDouble.Value is equal to the

1	System.Data.SqlTypes.SqlMoney.Value of the
2	System.Data.SqlTypes.SqlMoney parameter. A
3	System.Data.SqlTypes.SqlMoney structure.
4	op_Implicit
5	
6	[C#] public static implicit operator SqlDouble(SqlSingle x);
7	[C++] public: static SqlDouble op_Implicit(SqlSingle x);
8	[VB] returnValue = SqlDouble.op_Implicit(x)
9	[JScript] returnValue = x;
10	
11	Description
. 12	Converts the supplied System.Data.SqlTypes.SqlSingle parameter to
13	System.Data.SqlTypes.SqlDouble .
14	Return Value: A new System.Data.SqlTypes.SqlDouble structure whose
15	System.Data.SqlTypes.SqlDouble.Value is equal to the
16	System.Data.SqlTypes.SqlSingle.Value of the System.Data.SqlTypes.SqlSingle
17	parameter. A System.Data.SqlTypes.SqlSingle structure.
18	op_Inequality
19	
20	[C#] public static SqlBoolean operator !=(SqlDouble x, SqlDouble y);
21	[C++] public: static SqlBoolean op_Inequality(SqlDouble x, SqlDouble y);
22	[VB] returnValue = SqlDouble.op_Inequality(x, y)
23	[JScript] returnValue = x != y;
24	
25	Description

3

5

6

7

8

9

10

11

12

13

14

15

16

17

19

20

21

22

23

24

25

of System.Data.SqlTypes.SqlDouble to two instances Compares if equal. determine they are System.Data.SqlTypes.SqlBoolean Return Value: Α that is System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either of is the System.Data.SqlTypes.SqlDouble null, instance System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlDouble structure. A System.Data.SqlTypes.SqlDouble structure.

op_LessThan

Description

instances of System.Data.SqlTypes.SqlDouble Compares two if the than the determine first is less second. Value: Α System.Data.SqlTypes.SqlBoolean that is Return System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of System.Data.SqlTypes.SqlDouble is null, the System.Data.SqlTypes.SqlBoolean.Value of the

4

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlDouble structure. A System.Data.SqlTypes.SqlDouble structure.

op LessThanOrEqual

[C#] public static SqlBoolean operator <=(SqlDouble x, SqlDouble y); [C++] public: static SqlBoolean op_LessThanOrEqual(SqlDouble x, SqlDouble y);

[VB] $returnValue = SqlDouble.op_LessThanOrEqual(x, y)$

Description

System.Data.SqlTypes.SqlDouble two instances of if the determine first is less than or equal to the second. Return Value: A System.Data.SqlTypes.SqlBoolean that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either of System.Data.SqlTypes.SqlDouble the instance null, System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlDouble structure. A System.Data.SqlTypes.SqlDouble structure.

op_Multiply

[C#] public static SqlDouble operator *(SqlDouble x, SqlDouble y);

1	[C++] public: static SqlDouble op_Multiply(SqlDouble x, SqlDouble y);
2	[VB] returnValue = SqlDouble.op_Multiply(x, y)
3	[JScript] returnValue = x * y;
4	
5	Description
6	The multiplication operator computes the product of the two
7	System.Data.SqlTypes.SqlDouble operands.
8	Return Value: The product of the two System.Data.SqlTypes.SqlDouble
9	operands. A System.Data.SqlTypes.SqlDouble structure. A
10	System.Data.SqlTypes.SqlDouble structure.
11	op_Subtraction
12	
13	[C#] public static SqlDouble operator -(SqlDouble x, SqlDouble y);
14	[C++] public: static SqlDouble op_Subtraction(SqlDouble x, SqlDouble y);
15	[VB] returnValue = SqlDouble.op_Subtraction(x, y)
16	[JScript] returnValue = x - y;
17	
18	Description
19	The subtraction operator the second System.Data.SqlTypes.SqlDouble
20	operand from the first.
21	Return Value: The results of the subtraction operation. A
22	System.Data.SqlTypes.SqlDouble structure. A
23	System.Data.SqlTypes.SqlDouble structure.
24	op_UnaryNegation
25	

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

[C#] -(SqlDouble public static SqlDouble x); operator op UnaryNegation(SqlDouble [C++]public: static SqlDouble x); [VB] returnValue SqlDouble.op UnaryNegation(x) returnValue [JScript] -x; Description Returns the negated value of the System.Data.SqlTypes.SqlDouble operand. A System.Data.SqlTypes.SqlDouble structure. Parse SqlDouble Parse(string [C#] public static s); public: static SqlDouble Parse(String* [C++]s); [VB] Public Shared Function Parse(ByVal s As String) As SqlDouble public static function Parse(s String) SqlDouble; [JScript] Description $[\][\]$ Subtract static SqlDouble Subtract(SqlDouble x, SqlDouble [C#] public [C++] public: static SqlDouble Subtract(SqlDouble x, SqlDouble [VB] Public Shared Function Subtract(ByVal x As SqlDouble, ByVal y As SqlDouble) As SqlDouble

[JScript] public static function Subtract(x : SqlDouble, y : SqlDouble) :

```
SqlDouble;
2
    Description
3
          [.]
4
           ToSqlBoolean
5
6
                      public
                                           SqlBoolean
                                                                    ToSqlBoolean();
    [C#]
7
                                           SqlBoolean
                                                                    ToSqlBoolean();
    [C++]
                       public:
8
                                           ToSqlBoolean()
                                                                          SqlBoolean
    [VB]
               Public
                            Function
                                                                 As
9
                                            ToSqlBoolean()
                                                                         SqlBoolean;
    [JScript]
                  public
                               function
10
11
    Description
12
           [.]
13
           ToSqlByte
14
15
    [C#]
                         public
                                                SqlByte
                                                                        ToSqlByte();
16
                         public:
                                                SqlByte
                                                                        ToSqlByte();
    [C++]
17
                              Function
    [VB]
                 Public
                                               ToSqlByte()
                                                                             SqlByte
                                                                   As
18
    [JScript]
                   public
                                 function
                                                 ToSqlByte()
                                                                            SqlByte;
19
20
    Description
21
          [.]
22
          To Sql Decimal\\
23
24
                                           SqlDecimal
                                                                    ToSqlDecimal();
    [C#]
                      public
25
```

1	[C++]	pub	lic:	SqlDecimal	To	oSqlDecimal();
2	[VB]	Public	Function	ToSqlDecimal()	As	SqlDecimal
3	[JScript]	public	function	ToSqlDecimal()	:	SqlDecimal;
4						
5	Descriptio	n		•		
6	[.]				
7	Tos	SqlInt16				
8						
9	[C#]	pu	blic	SqlInt16		ToSqlInt16();
10	[C++]	p	ublic:	SqlInt16		ToSqlInt16();
11	[VB]	Public	Function	ToSqlInt16()	As	SqlInt16
12	[JScript]	public	function	ToSqlInt16()	:	SqlInt16;
13						
14	Description	on				
15	[.]				
16	ToS	SqlInt32				
17						
18	[C#]	pu	blic	SqlInt32		ToSqlInt32();
19	[C++]	p	ublic:	SqlInt32		ToSqlInt32();
20	[VB]	Public	Function	ToSqlInt32()	As	SqlInt32
21	[JScript]	public	function	ToSqlInt32()	:	SqlInt32;
22						
23	Description	n				
24	[.] .				
25	Tos	SqlInt64				

lee@hayes ≠ 509-324-9356 MS1-864US.APP

1						
2	[C#]	pul	olic	SqlInt64	•	ToSqlInt64();
3	[C++]	pu	ıblic:	SqlInt64		ToSqlInt64();
4	[VB]	Public	Function	ToSqlInt64()	As	SqlInt64
5	[JScript]	public	function	ToSqlInt64()	:	SqlInt64;
6					٠	
7	Description	ı				
8	[.]					
9	ToS	qlMoney				
10						
11	[C#]	pub	lic	SqlMoney	To	oSqlMoney();
12	[C++]	pub	olic:	SqlMoney	To	oSqlMoney();
13	[VB]	Public	Function	ToSqlMoney()	As	SqlMoney
14	[JScript]	public	function	ToSqlMoney()	:	SqlMoney;
15						
16	Description	ı				
16	Description	ı				
	[.]	n qlSingle				
17	[.]					
17	[.]		lic ·	SqlSingle	T	oSqlSingle();
17 18 19	[.] ToS	qlSingle pub	lic blic:	SqlSingle SqlSingle		oSqlSingle();
17 18 19 20	[.] ToS [C#]	qlSingle pub				
17 18 19 20 21	[.] ToS [C#] [C++]	qlSingle pub pul	blic:	SqlSingle	Т	oSqlSingle();
17 18 19 20 21	[.] ToS [C#] [C++] [VB]	qlSingle pub pul Public	blic: Function	SqlSingle ToSqlSingle()	T As	oSqlSingle(); SqlSingle
17 18 19 20 21 22 23	[.] ToS [C#] [C++] [VB]	qlSingle pub pul Public public	blic: Function	SqlSingle ToSqlSingle()	T As	oSqlSingle(); SqlSingle

1	[.]
2	ToSqlString
3	
4	[C#] public SqlString ToSqlString();
5	[C++] public: SqlString ToSqlString();
6	[VB] Public Function ToSqlString() As SqlString
7	[JScript] public function ToSqlString() : SqlString;
8	
9	Description
10	[.]
11	ToString
12	•
13	[C#] public override string ToString();
14	[C++] public: String* ToString();
15	[VB] Overrides Public Function ToString() As String
16	[JScript] public override function ToString() : String; Converts a
17	System.Data.SqlTypes.SqlDouble structure to a string.
18	
19	Description
20	Converts this System.Data.SqlTypes.SqlDouble structure to a string.
21	Return Value: A string representing the System.Data.SqlTypes.SqlDouble.Value
22	of this System.Data.SqlTypes.SqlDouble.
23	SqlGuid structure (System.Data.SqlTypes)
24	ToString
25	

2

3

5

6

7

8

9

10

11

12

13

14

15

17

18

19

20

21

22

23

24

Represents a globally unique identifier to be stored in or retrieved from a database.

ToString

[C#]	public	static	readonly		SqlGuid	Null;
[C++]	publ	ic:	static	SqlC	Guid	Null;
[VB]	Public	Shared	ReadOnly	Null	As	SqlGuid
[JScript]	public	static	var	Null	:	SqlGuid;

Description

Represents a null value that can be assigned to the System.Data.SqlTypes.SqlGuid.Value property of an instance of the System.Data.SqlTypes.SqlGuid structure.

System.Data.SqlTypes.SqlGuid.Null functions as a constant for the SqlGuid structure.

SqlGuid

Example Syntax:

ToString

SqlGuid(byte[] public [C#] value); public: SqlGuid(unsigned _gc[]); [C++]char value New(ByVal Public Sub value() [VB] Byte) As

[JScript] public function SqlGuid(value : Byte[]); Initializes a new instance of the System.Data.SqlTypes.SqlGuid structure.

Description

Initializes a new instance of the **System.Data.SqlTypes.SqlGuid** structure using the supplied byte array parameter. A byte array.

SqlGuid

Example Syntax:

ToString

[C#]	pι	ublic		SqlG	uid(Guid		g);
[C++]	p	oublic:		SqlC	Guid(Guid		g);
[VB]	Public	Sub	New(ByV	al	g	As	Guid)
[JScript]	public	fu	nction	SqlC	Guid(g	:	Guid);

Description

Initializes a new instance of the **System.Data.SqlTypes.SqlGuid** structure using the supplied **System.Guid** parameter. A **System.Guid**

SqlGuid

Example Syntax:

ToString

[C#] public SqlGuid(string s);
 [C++] public: SqlGuid(String* s);
 [VB] Public Sub New(ByVal s As String)

[JScript] SqlGuid(s function String); public 2 Description Initializes a new instance of the System.Data.SqlTypes.SqlGuid structure 4 using the supplied System.String parameter. A System.String object. 5 SqlGuid 6 Example Syntax: 7 **ToString** 8 9 [C#] public SqlGuid(int a, short b, short c, byte d, byte e, byte f, byte g, byte h, 10 j, i, byte byte k); byte 11 [C++] public: SqlGuid(int a, short b, short c, unsigned char d, unsigned char e, 12 unsigned char f, unsigned char g, unsigned char h, unsigned char i, unsigned char 13 char unsigned k); j, 14 [VB] Public Sub New(ByVal a As Integer, ByVal b As Short, ByVal c As Short, 15 ByVal d As Byte, ByVal e As Byte, ByVal f As Byte, ByVal g As Byte, ByVal h 16 As Byte, ByVal i As Byte, ByVal i As Byte, ByVal k As Byte) 17 [JScript] public function SqlGuid(a: int, b: Int16, c: Int16, d: Byte, e: Byte, f: 18 Byte, h: Byte, i: Byte, j: Byte, k: Byte); Byte, 19 20 Description 21 $[\ .]$ 22 IsNull 23 **ToString** 24 25

public bool IsNull {get;} [C#] [C++]public: property bool get IsNull(); 3 **Public** ReadOnly IsNull Boolean [VB] Property As [JScript] public function IsNull() Boolean; get : 5 6 Description 7 Indicates whether or not System.Data.SqlTypes.SqlGuid.Value is null. 8 Value 9 **ToString** 10 11 public [C#] Guid Value {get;} 12 [C++] public: Guid get Value(); property 13 [VB] Public ReadOnly Value Guid **Property** As 14 public function [JScript] get Value() : Guid; 15 16 Description 17 Gets the value of the System.Data.SqlTypes.SqlGuid structure. This 18 property is read-only. 19 CompareTo 20 21 [C#] public int CompareTo(object value); 22 CompareTo(Object* [C++]public: sealed int value); 23 [VB] NotOverridable Public Function CompareTo(ByVal value As Object) As 24 Integer 25

[JScript] public function CompareTo(value : Object) : int;

Description

Compares this **System.Data.SqlTypes.SqlGuid** structure to the supplied object and returns an indication of their relative values. *Return Value:* A signed number indicating the relative values of the instance and the object. The object to be compared.

Equals

[C#] public override bool Equals(object value);
[C++] public: bool Equals(Object* value);
[VB] Overrides Public Function Equals(ByVal value As Object) As Boolean
[JScript] public override function Equals(value : Object) : Boolean;

Description

Compares the supplied object parameter to the System.Data.SqlTypes.SqlGuid.Value property of the System.Data.SqlTypes.SqlGuid object.

Return Value: true if object is an instance of SqlGuid and the two are equal; otherwise false. The object to be compared.

Equals

[C#] public static new SqlBoolean Equals(SqlGuid x, SqlGuid y); [C++] public: static SqlBoolean Equals(SqlGuid x, SqlGuid y); [VB] Shadows Public Shared Function Equals(ByVal x As SqlGuid, ByVal y As

lee@haves at 509-124-9256 1063 MS1-864US.APP

SqlGuid) As SqlBoolean [JScript] public static hide function Equals(x : SqlGuid, y : SqlGuid) : SqlBoolean; 2 3 Description [.] 5 GetHashCode 6 7 [C#] public override int GetHashCode(); 8 [C++]public: int GetHashCode(); 9 **Overrides** Public **Function** GetHashCode() [VB] As Integer 10 [JScript] public override function GetHashCode() int; 11 12 Description 13 Returns the hash code of this System.Data.SqlTypes.SqlGuid structure. 14 Return Value: A 32-bit signed integer hash code. 15 GreaterThan 16 17 public SqlBoolean GreaterThan(SqlGuid [C#] static SqlGuid х, 18 [C++] public: static SqlBoolean GreaterThan(SqlGuid x, SqlGuid y); 19 [VB] Public Shared Function GreaterThan(ByVal x As SqlGuid, ByVal y As 20 SqlGuid) As SqlBoolean 21 [JScript] public static function GreaterThan(x : SqlGuid, y : SqlGuid) : 22 SqlBoolean; 23 24 Description 25

1	[.]
2	GreaterThanOrEqual
3	
4	[C#] public static SqlBoolean GreaterThanOrEqual(SqlGuid x, SqlGuid y);
5	[C++] public: static SqlBoolean GreaterThanOrEqual(SqlGuid x, SqlGuid y);
6	[VB] Public Shared Function GreaterThanOrEqual(ByVal x As SqlGuid, ByVal y
7	As SqlGuid) As SqlBoolean
8	[JScript] public static function GreaterThanOrEqual(x : SqlGuid, y : SqlGuid)
9	SqlBoolean;
10	
11	Description
12	[.]
13	LessThan
14	
15	[C#] public static SqlBoolean LessThan(SqlGuid x, SqlGuid y)
16	[C++] public: static SqlBoolean LessThan(SqlGuid x, SqlGuid y):
17	[VB] Public Shared Function LessThan(ByVal x As SqlGuid, ByVal y As
18	SqlGuid) As SqlBoolean
19	[JScript] public static function LessThan(x : SqlGuid, y : SqlGuid) : SqlBoolean;
20	
21	Description
22	[.]
23	LessThanOrEqual
24	
25	[C#] public static SqlBoolean LessThanOrEqual(SqlGuid x, SqlGuid y);

1	[C++] public: static SqlBoolean LessThanOrEqual(SqlGuid x, SqlGuid y);
2	[VB] Public Shared Function LessThanOrEqual(ByVal x As SqlGuid, ByVal y As
3	SqlGuid) As SqlBoolean
4	[JScript] public static function LessThanOrEqual(x : SqlGuid, y : SqlGuid) :
5	SqlBoolean;
6	
7	Description
8	[.]
9	NotEquals
10	
11	[C#] public static SqlBoolean NotEquals(SqlGuid x, SqlGuid y);
12	[C++] public: static SqlBoolean NotEquals(SqlGuid x, SqlGuid y);
13	[VB] Public Shared Function NotEquals(ByVal x As SqlGuid, ByVal y As
13	[VB] Public Shared Function NotEquals(ByVal x As SqlGuid, ByVal y As SqlGuid) As SqlBoolean
	[VB] Public Shared Function NotEquals(ByVal x As SqlGuid, ByVal y As SqlGuid) As SqlBoolean [JScript] public static function NotEquals(x : SqlGuid, y : SqlGuid) : SqlBoolean;
14	SqlGuid) As SqlBoolean
14	SqlGuid) As SqlBoolean
14 15 16	SqlGuid) As SqlBoolean [JScript] public static function NotEquals(x : SqlGuid, y : SqlGuid) : SqlBoolean;
14 15 16	SqlGuid) As SqlBoolean [JScript] public static function NotEquals(x : SqlGuid, y : SqlGuid) : SqlBoolean;
14 15 16 17	SqlGuid) As SqlBoolean [JScript] public static function NotEquals(x : SqlGuid, y : SqlGuid) : SqlBoolean; Description [.]
14 15 16 17 18	SqlGuid) As SqlBoolean [JScript] public static function NotEquals(x : SqlGuid, y : SqlGuid) : SqlBoolean; Description [.]
14 15 16 17 18 19	SqlGuid) As SqlBoolean [JScript] public static function NotEquals(x : SqlGuid, y : SqlGuid) : SqlBoolean; Description [.] op_Equality
14 15 16 17 18 19 20 21 .	SqlGuid) As SqlBoolean [JScript] public static function NotEquals(x : SqlGuid, y : SqlGuid) : SqlBoolean; Description [.] op_Equality [C#] public static SqlBoolean operator ==(SqlGuid x, SqlGuid y);
14 15 16 17 18 19 20 21	SqlGuid) As SqlBoolean [JScript] public static function NotEquals(x : SqlGuid, y : SqlGuid) : SqlBoolean; Description [.] op_Equality [C#] public static SqlBoolean operator ==(SqlGuid x, SqlGuid y); [C++] public: static SqlBoolean op_Equality(SqlGuid x, SqlGuid y);

lee@hayes ptc 509-324-9256 MS1-864US.APP

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

Performs a logical comparison of two System.Data.SqlTypes.SqlGuid structures determine if they equal. to are Value: System.Data.SqlTypes.SqlBoolean Return Α that is System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If either instance of SqlGuid is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlGuid structure. A SqlGuid structure.

op_Explicit

SqlGuid(SqlBinary [C#] public static explicit operator x); op Explicit(SqlBinary SqlGuid [C++]public: static x); returnValue SqlGuid.op Explicit(x) [VB] returnValue [JScript] SqlGuid(x);

Description

Converts the **System.Data.SqlTypes.SqlBinary** parameter to **System.Data.SqlTypes.SqlGuid** .

Return Value: A new SqlGuid whose System.Data.SqlTypes.SqlGuid.Value is equal to the System.Data.SqlTypes.SqlBinary.Value of the SqlBinary parameter. A SqlBinary object.

op_Explicit

25

1	
2	[C#] public static explicit operator Guid(SqlGuid x);
3	[C++] public: static Guid op_Explicit();
4	[VB] returnValue = SqlGuid.op_Explicit(x)
5	[JScript] returnValue = Guid(x);
6	
7	Description
8	Converts the supplied System.Data.SqlTypes.SqlGuid parameter to
9	System.Guid .
10	Return Value: A new Guid equal to the System.Data.SqlTypes.SqlGuid.Value
11	of the SqlGuid . A SqlGuid structure.
12	op_Explicit
13	
14	[C#] public static explicit operator SqlGuid(SqlString x);
15	[C++] public: static SqlGuid op_Explicit(SqlString x);
16	[VB] returnValue = SqlGuid.op_Explicit(x)
17	[JScript] returnValue = SqlGuid(x);
18	
19	Description
20	Converts the supplied System.Data.SqlTypes.SqlString object parameter
21	to System.Data.SqlTypes.SqlGuid .
22	Return Value: A SqlGuid whose System.Data.SqlTypes.SqlGuid.Value equals
23	the value represented by the String parameter. A SqlString object.
24	op_GreaterThan
25	

public static SqlBoolean operator >(SqlGuid SqlGuid [C#] х, y); [C++] public: static SqlBoolean op GreaterThan(SqlGuid x, SqlGuid y); [VB] returnValue SqlGuid.op GreaterThan(x, y) [JScript] returnValue X у;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Compares two instances of System.Data.SqlTypes.SqlGuid to determine if the first than the is greater second. Return Value: Α System.Data.SqlTypes.SqlBoolean that is System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlGuid is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlGuid structure. A **SqlGuid** structure.

op GreaterThanOrEqual

[C#] public static SqlBoolean operator >=(SqlGuid x, SqlGuid y);
[C++] public: static SqlBoolean op_GreaterThanOrEqual(SqlGuid x, SqlGuid y);
[VB] returnValue = SqlGuid.op_GreaterThanOrEqual(x, y)
[JScript] returnValue = x >= y;

Description

Compares two instances of **System.Data.SqlTypes.SqlGuid** to determine if the first is greater than or equal to the second.

lee@hayes pix 509-324-9256 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlBoolean that Return Value: is Α System.Data.SqlTypes.SqlBoolean.True if the first instance is greaater than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False If either instance of **SqlGuid** is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will System.Data.SqlTypes.SqlBoolean.Null . A SqlGuid structure. A SqlGuid structure. op Implicit SqlGuid(Guid [C#] public static implicit operator x); op Implicit(Guid [C++]public: static SqlGuid x);

Description

[VB]

[JScript]

Converts the supplied **System.Guid** parameter to **System.Data.SqlTypes.SqlGuid** .

SqlGuid.op Implicit(x)

x;

Return Value: A new SqlGuid whose System.Data.SqlTypes.SqlGuid.Value is equal to the Guid parameter. A System.Guid.

op_Inequality

returnValue

returnValue

public SqlBoolean operator !=(SqlGuid x, SqlGuid [C#] static y); [C++] public: static SqlBoolean op Inequality(SqlGuid x, SqlGuid y); returnValue SqlGuid.op Inequality(x, [VB] y) [JScript] returnValue != Х у;

lee@hayes # 509-124-9256 1070 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Performs a logical comparison on two System.Data.SqlTypes.SqlGuid if structures to determine they are equal. Value: System.Data.SqlTypes.SqlBoolean Return Α System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either instance of SqlGuid is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlGuid structure. A SqlGuid structure.

op_LessThan

SqlBoolean [C#] public static operator public: static SqlBoolean op LessThan(SqlGuid x, SqlGuid [C++]returnValue SqlGuid.op LessThan(x, [VB] **y**) returnValue [JScript] < X у;

Description

Compares two instances of System.Data.SqlTypes.SqlGuid to determine if the first the is less than second. Value: System.Data.SqlTypes.SqlBoolean that is Α Return System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlGuid is null, the System.Data.SqlTypes.SqlBoolean.Value of the

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlGuid structure. A SqlGuid structure.

op_LessThanOrEqual

public static SqlBoolean operator \leq (SqlGuid x, SqlGuid [C#] [C++] public: static SqlBoolean op LessThanOrEqual(SqlGuid x, SqlGuid y); returnValue SqlGuid.op LessThanOrEqual(x, [VB] y) [JScript] returnValue <= Х у;

Description

Compares two instances of System.Data.SqlTypes.SqlGuid to determine the if the first is less than or equal to second. System.Data.SqlTypes.SqlBoolean Return Value: Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of SqlGuid is null, the System.Data.SqlTypes.SqlBoolean.Value of the SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A SqlGuid structure. A SqlGuid structure.

Parse

public SqlGuid Parse(string [C#] static s); [C++]public: static SqlGuid Parse(String* s); [VB] Public Shared Function Parse(ByVal s As String) As SqlGuid [JScript] public static function Parse(s String) SqlGuid;

lee⊗haves ox 509-3249256 1072 MSI-864US.APP

```
Description
2
          [.][.]
3
          ToByteArray
5
                                                                    ToByteArray();
    [C#]
                        public
                                              byte[]
6
                public:
                             unsigned
                                             char
                                                       ToByteArray()
                                                                            __gc[];
    [C++]
7
    [VB]
                Public
                             Function
                                             ToByteArray()
                                                                   As
                                                                             Byte()
8
                   public
                                                                            Byte[];
    [JScript]
                                function
                                               ToByteArray()
9
10
    Description
11
          Converts this System.Data.SqlTypes.SqlGuid structure to a byte array.
12
                Value:
                           An
                                              of
                                                     bytes
                                                               representing
                                                                                the
    Return
                                    array
13
    System.Data.SqlTypes.SqlGuid.Value of this SqlGuid structure.
14
          ToSqlBinary
15
16
    [C#]
                       public
                                            SqlBinary
                                                                    ToSqlBinary();
17
    [C++]
                                             SqlBinary
                                                                    ToSqlBinary();
                        public:
18
    [VB]
                            Function
                                            ToSqlBinary()
                                                                          SqlBinary
               Public
                                                                As
19
    [JScript]
                  public
                               function
                                             ToSqlBinary()
                                                                         SqlBinary;
20
21
    Description
22
          [.]
23
          ToSqlString
24
25
```

	·
1	
2	[C#] public SqlString ToSqlString();
3	[C++] public: SqlString ToSqlString();
4	[VB] Public Function ToSqlString() As SqlString
5	[JScript] public function ToSqlString() : SqlString;
6	•
7	Description
8	[.]
9	ToString
10	·
11	[C#] public override string ToString();
12	[C++] public: String* ToString();
13	[VB] Overrides Public Function ToString() As String
14	[JScript] public override function ToString() : String; Converts a
15	System.Data.SqlTypes.SqlGuid to a System.String .
16	
17	Description
18	Converts this System.Data.SqlTypes.SqlGuid structure to a
19	System.String.
20	SqlInt16 structure (System.Data.SqlTypes)
21	ToString
22	
23	
24	Description
25	

Represents a 16-bit signed integer to be stored in or retrieved from a database.

ToString

[C#]	public	static	readonly	SqlInt16		MaxValue;
[C++]	public:		static	SqlInt16		MaxValue;
[VB]	Public	Shared	ReadOnly	MaxValue	As	SqlInt16
[JScript]	public	static	var	MaxValue	:	SqlInt16;

Description

A constant representing the largest possible value of a System.Data.SqlTypes.SqlInt16.

The value of this constant is 32,767.

ToString

[C#]	public	static	readonly	SqlInt16		MinValue;
[C++]	publ	ic:	static	SqlInt16		MinValue;
[VB]	Public	Shared	ReadOnly	MinValue	As	SqlInt16
[JScript]	public	static	var	MinValue	:	SqlInt16;

Description

A constant representing the smallest possible value of a System.Data.SqlTypes.SqlInt16.

The value of this constant is -32,768.

ToString

[C#]	public	static	readonly	S	SqlInt16	Null;
[C++]	public:		static	SqlInt16		Null;
[VB]	Public	Shared	ReadOnly	Null	As	SqlInt16
[JScript]	public	static	var	Null	:	SqlInt16;

Represents a null value that can be assigned to the System.Data.SqlTypes.SqlInt16.Value property of an instance of the System.Data.SqlTypes.SqlInt16 structure.

System.Data.SqlTypes.SqlInt16.Null functions as a constant for the System.Data.SqlTypes.SqlInt16 structure.

ToString

[C#]	public	static	readonly	S	SqlInt16	Zero;
[C++]	public:		static	SqlInt16		Zero;
[VB]	Public	Shared	ReadOnly	Zero	As	SqlInt16
[JScript]	public	static	var	Zero	:	SqlInt16;

Description

Represents a zero value that can be assigned to the System.Data.SqlTypes.SqlInt16.Value property of an instance of the System.Data.SqlTypes.SqlInt16 structure.

The System.Data.SqlTypes.SqlInt16.Zero field is a constant for the System.Data.SqlTypes.SqlInt16 structure.

SqlInt16 Example Syntax: 2 **ToString** 3 SqlInt16(short [C#] public value); 5 SqlInt16(short public: [C++]value); 6 [VB] **Public** Sub New(ByVal value As Short) 7 public SqlInt16(value [JScript] function Int16); 8 9 Description 10 Initializes a new instance of the System.Data.SqlTypes.SqlInt16 structure 11 using the supplied short integer parameter. A short integer. 12 IsNull 13 **ToString** 14 15 public [C#] IsNull bool {get;} 16 [C++]public: bool get IsNull(); property 17 [VB] **Public** ReadOnly Property IsNull Boolean As 18 [JScript] public function IsNull() Boolean; get 19 20 Description 21 Indicates whether or not System.Data.SqlTypes.SqlInt16.Value is null. 22 Value 23 **ToString** 24 25

[C#]	public short		Value		{get;}	
[C++]	public	property		short	get_Value();	
[VB]	Public	ReadOnly	Property	Value	As	Short
[JScript]	public	function	get	Value()	:	Int16;

2

3

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Gets the value of this instance of System.Data.SqlTypes.SqlInt16 structure. This property is read-only.

Add

[C#] public SqlInt16 Add(SqlInt16 SqlInt16 static x, y); [C++]Add(SqlInt16 SqlInt16 public: SqlInt16 static x, y); [VB] Public Shared Function Add(ByVal x As SqlInt16, ByVal y As SqlInt16) As SqlInt16

[JScript] public static function Add(x : SqlInt16, y : SqlInt16) : SqlInt16;

Description

[.]

BitwiseAnd

SqlInt16 BitwiseAnd(SqlInt16 [C#] public static x, SqlInt16 y); [C++] public: static SqlInt16 BitwiseAnd(SqlInt16 SqlInt16 y); [VB] Public Shared Function BitwiseAnd(ByVal x As SqlInt16, ByVal y As SqlInt16) SqlInt16 As

lee@haves.ax 509-3249256 MSJ-8664US.APP

1	[JScript] public static function BitwiseAnd(x : SqlInt16, y : SqlInt16) : SqlInt16;							
2								
3	Description							
4	[.]							
5	BitwiseOr							
6								
7	[C#] public static SqlInt16 BitwiseOr(SqlInt16 x, SqlInt16 y);							
8	[C++] public: static SqlInt16 BitwiseOr(SqlInt16 x, SqlInt16 y);							
9	[VB] Public Shared Function BitwiseOr(ByVal x As SqlInt16, ByVal y As							
10	SqlInt16) As SqlInt16							
11	[JScript] public static function BitwiseOr(x : SqlInt16, y : SqlInt16) : SqlInt16;							
12								
13	Description							
14	[.]							
15	CompareTo							
16								
17	[C#] public int CompareTo(object value);							
18	[C++] public:sealed int CompareTo(Object* value);							
19	[VB] NotOverridable Public Function CompareTo(ByVal value As Object) As							
20	Integer							
21	[JScript] public function CompareTo(value : Object) : int;							
22								
23	Description							
24	Compares this instance to the supplied object and returns an indication of							
25	their relative values.							

lee@hayes ≠ 509-324-9256 1079 MS1-864US.APP

1	Return Value: A signed number indicating the relative values of the instance and					
2	the object. The object to be compared.					
3	Divide					
4						
5	[C#] public static SqlInt16 Divide(SqlInt16 x, SqlInt16 y);					
6	[C++] public: static SqlInt16 Divide(SqlInt16 x, SqlInt16 y);					
7	[VB] Public Shared Function Divide(ByVal x As SqlInt16, ByVal y As SqlInt16)					
8	As SqlInt16					
9	[JScript] public static function Divide(x : SqlInt16, y : SqlInt16) : SqlInt16;					
10						
11	Description					
12	[.]					
13	Equals					
14						
15	[C#] public override bool Equals(object value);					
16	[C++] public: bool Equals(Object* value);					
17	[VB] Overrides Public Function Equals(ByVal value As Object) As Boolean					
18	[JScript] public override function Equals(value : Object) : Boolean;					
19						
20	Description					
21	Compares the supplied object parameter to the					
22	System.Data.SqlTypes.SqlInt32.Value property of the					
23	System.Data.SqlTypes.SqlInt16 object.					
24	Return Value: true if object is an instance of System.Data.SqlTypes.SqlInt16					
25	and the two are equal; otherwise false. The object to be compared.					

1	Equals
2	
3	[C#] public static new SqlBoolean Equals(SqlInt16 x, SqlInt16 y);
4	[C++] public: static SqlBoolean Equals(SqlInt16 x, SqlInt16 y);
5	[VB] Shadows Public Shared Function Equals(ByVal x As SqlInt16, ByVal y As
6	SqlInt16) As SqlBoolean
7	[JScript] public static hide function Equals(x : SqlInt16, y : SqlInt16) :
8	SqlBoolean;
9	
10	Description
11	[.] ,
12	GetHashCode
13	
13	[C#] public override int GetHashCode();
	[C#] public override int GetHashCode(); [C++] public: int GetHashCode();
14	
14	[C++] public: int GetHashCode();
14 15	[C++] public: int GetHashCode(); [VB] Overrides Public Function GetHashCode() As Integer
14 15 16	[C++] public: int GetHashCode(); [VB] Overrides Public Function GetHashCode() As Integer
14 15 16 17	[C++] public: int GetHashCode(); [VB] Overrides Public Function GetHashCode() As Integer [JScript] public override function GetHashCode() : int;
14 15 16 17 18	[C++] public: int GetHashCode(); [VB] Overrides Public Function GetHashCode() As Integer [JScript] public override function GetHashCode() : int; Description
14 15 16 17 18 19 20	[C++] public: int GetHashCode(); [VB] Overrides Public Function GetHashCode() As Integer [JScript] public override function GetHashCode() : int; Description Returns the hash code for this instance.
14 15 16 17 18 19 20 21	[C++] public: int GetHashCode(); [VB] Overrides Public Function GetHashCode() As Integer [JScript] public override function GetHashCode() : int; Description Returns the hash code for this instance. Return Value: A 32-bit signed integer hash code.
14 15 16 17 18 19 20 21 22	[C++] public: int GetHashCode(); [VB] Overrides Public Function GetHashCode() As Integer [JScript] public override function GetHashCode() : int; Description Returns the hash code for this instance. Return Value: A 32-bit signed integer hash code.

lee@hayes ≠ 509-324-9256 1081 MS1-864US.APP

1	[VB] Public Shared Function GreaterThan(ByVal x As SqlInt16, ByVal y As
2	SqlInt16) As SqlBoolean
3	[JScript] public static function GreaterThan(x : SqlInt16, y : SqlInt16) :
4	SqlBoolean;
5	
6	Description
7	[.]
8	GreaterThanOrEqual
9	
10	[C#] public static SqlBoolean GreaterThanOrEqual(SqlInt16 x, SqlInt16 y);
11	[C++] public: static SqlBoolean GreaterThanOrEqual(SqlInt16 x, SqlInt16 y);
12	[VB] Public Shared Function GreaterThanOrEqual(ByVal x As SqlInt16, ByVal y
13	As SqlInt16) As SqlBoolean
14	[JScript] public static function GreaterThanOrEqual(x : SqlInt16, y : SqlInt16) :
15	SqlBoolean;
16	
17	Description
18	[.]
19	LessThan
20	
21	[C#] public static SqlBoolean LessThan(SqlInt16 x, SqlInt16 y);
22	[C++] public: static SqlBoolean LessThan(SqlInt16 x, SqlInt16 y);
23	[VB] Public Shared Function LessThan(ByVal x As SqlInt16, ByVal y As
24	SqlInt16) As SqlBoolean
25	[JScript] public static function LessThan(x : SqlInt16, y : SqlInt16) : SqlBoolean;

lee@hayes ≠ 509-124-9356 1082 MS1-864US.APP

1	
2	Description
3	[]
4	LessThanOrEqual
5	
6	[C#] public static SqlBoolean LessThanOrEqual(SqlInt16 x, SqlInt16 y);
7	[C++] public: static SqlBoolean LessThanOrEqual(SqlInt16 x, SqlInt16 y);
8	[VB] Public Shared Function LessThanOrEqual(ByVal x As SqlInt16, ByVal y As
9	SqlInt16) As SqlBoolean
10	[JScript] public static function LessThanOrEqual(x : SqlInt16, y : SqlInt16) :
11	SqlBoolean;
12	
13	Description
14	[]
15	Mod
16	
17	[C#] public static SqlInt16 Mod(SqlInt16 x, SqlInt16 y);
18	[C++] public: static SqlInt16 Mod(SqlInt16 x, SqlInt16 y);
19	[VB] Public Shared Function Mod(ByVal x As SqlInt16, ByVal y As SqlInt16) As
20	SqlInt16
21	[JScript] public static function Mod(x : SqlInt16, y : SqlInt16) : SqlInt16;
22	
23	Description
24	[.]
25	Multiply

[C#] public static SqlInt16 Multiply(SqlInt16 x, SqlInt16 y);
[C++] public: static SqlInt16 Multiply(SqlInt16 x, SqlInt16 y);
[VB] Public Shared Function Multiply(ByVal x As SqlInt16, ByVal y As
SqlInt16) As SqlInt16
[JScript] public static function Multiply(x : SqlInt16, y : SqlInt16) : SqlInt16;
Description
[.]
NotEquals
[C#] public static SqlBoolean NotEquals(SqlInt16 x, SqlInt16 y);
[C++] public: static SqlBoolean NotEquals(SqlInt16 x, SqlInt16 y);
[VB] Public Shared Function NotEquals(ByVal x As SqlInt16, ByVal y As
SqlInt16) As SqlBoolean
[JScript] public static function NotEquals(x : SqlInt16, y : SqlInt16) : SqlBoolean;
Description
[.]
OnesComplement
[C#] public static SqlInt16 OnesComplement(SqlInt16 x);
[C++] public: static SqlInt16 OnesComplement(SqlInt16 x);
[VB] Public Shared Function OnesComplement(ByVal x As SqlInt16) As
SalInt16

[JScript] public static function OnesComplement(x : SqlInt16) : SqlInt16; 2 Description 3 [.]4 op Addition 5 6 [C#] public static SqlInt16 operator +(SqlInt16 SqlInt16 X, y); 7 [C++] public: static SqlInt16 op Addition(SqlInt16 X, SqlInt16 y); 8 returnValue [VB] SqlInt16.op Addition(x, y) 9 [JScript] returnValue \mathbf{X} у; 10 11 Description 12 Computes the sum of the two System.Data.SqlTypes.SqlInt16 operands. 13 System.Data.SqlTypes.SqlInt16 Return Value: structure whose : 14 System.Data.SqlTypes.SqlInt16.Value property contains the sum of the two 15 System.Data.SqlTypes.SqlInt16 operands. A System.Data.SqlTypes.SqlInt16 16 structure. A System.Data.SqlTypes.SqlInt16 structure. 17 op BitwiseAnd 18 19 [C#] public static SqlInt16 operator &(SqlInt16 SqlInt16 X, y); 20 [C++] public: static SqlInt16 op BitwiseAnd(SqlInt16 x, SqlInt16 y); 21 [VB] returnValue SqlInt16.op BitwiseAnd(x, y) 22 [JScript] returnValue & Х y; 23 24 Description 25

lee@hayes 🗚 509-124-9256 1085 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Return

Value:

Α

Computes the bitwise AND of its System.Data.SqlTypes.SqlInt16 System.Data.SqlTypes.SqlInt16 Α structure. Α operands. System.Data.SqlTypes.SqlInt16 structure. op BitwiseOr SqlInt16 (SqlInt16 SqlInt16 public static operator [C#] X, y); SqlInt16 op BitwiseOr(SqlInt16 x, [C++] public: static y); [VB] returnValue SqlInt16.op_BitwiseOr(x, **y**) [JScript] returnValue X у; Description Computes the bitwise OR of its two System.Data.SqlTypes.SqlInt16 System.Data.SqlTypes.SqlInt16 operands. Α structure. Α System.Data.SqlTypes.SqlInt16 structure. op Division public static SqlInt16 operator /(SqlInt16 SqlInt16 [C#] X, y); static SqlInt16 op Division(SqlInt16 x, SqlInt16 [C++] public: y); SqlInt16.op_Division(x, [VB] returnValue y) returnValue / [JScript] Х у; Description The division operator divides the first System.Data.SqlTypes.SqlInt16 the second. operand by

lee@hayes ps 509-324-9256 MS1-864U5.APP

System.Data.SqlTypes.SqlInt16

whose

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

System.Data.SqlTypes.SqlInt16.Value property contains the results of the division. A System.Data.SqlTypes.SqlInt16 structure. A System.Data.SqlTypes.SqlInt16 structure.

op Equality

[C#] public static SqlBoolean operator ==(SqlInt16 x, SqlInt16 y);
[C++] public: static SqlBoolean op_Equality(SqlInt16 x, SqlInt16 y);
[VB] returnValue = SqlInt16.op_Equality(x, y)

[JScript] returnValue = x == y;

Description

Performs a logical comparison of two System.Data.SqlTypes.SqlInt16 determine if they equal. structures to are Value: System.Data.SqlTypes.SqlBoolean Return Α that is System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If System.Data.SqlTypes.SqlInt16 either instance of is null, the of System.Data.SqlTypes.SqlBoolean.Value the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt16 structure. A System.Data.SqlTypes.SqlInt16 structure.

op_ExclusiveOr

[C#] public static SqlInt16 operator ^(SqlInt16 x, SqlInt16 y); [C++] public: static SqlInt16 op_ExclusiveOr(SqlInt16 x, SqlInt16 y);

lee@hayes ax 509-324-9256 1087 MS1-864US.APP

[VB] returnValue = SqlInt16.op_ExclusiveOr(x, y)

[JScript] returnValue = x ^ y;

3

2

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Description

Performs a bitwise exclusive-OR operation on the supplied parameters. A System.Data.SqlTypes.SqlInt16 structure. A System.Data.SqlTypes.SqlInt16 structure.

op Explicit

[C#] public static explicit operator SqlInt16(SqlBoolean x); op_Explicit(SqlBoolean SqlInt16 [C++]public: static x); returnValue SqlInt16.op Explicit(x) [VB] SqlInt16(x);[JScript] returnValue

Description

Converts the supplied System.Data.SqlTypes.SqlBit structure to System.Data.SqlTypes.SqlInt16

Return Value: A new System.Data.SqlTypes.SqlInt16 structure whose System.Data.SqlTypes.SqlInt16.Value property is equal to the System.Data.SqlTypes.SqlBit.ByteValue property of the System.Data.SqlTypes.SqlBit parameter. A System.Data.SqlTypes.SqlBit structure.

op_Explicit

[C#] public static explicit operator SqlInt16(SqlDecimal x);

[C++]op Explicit(SqlDecimal public: SqlInt16 x); static SqlInt16.op Explicit(x) returnValue [VB] 2 SqlInt16(x);[JScript] returnValue 3 4 Description 5 Converts the supplied System.Data.SqlTypes.SqlDecimal structure to 6 System.Data.SqlTypes.SqlInt16 7 Return Value: A new System.Data.SqlTypes.SqlInt16 structure whose 8 System.Data.SqlTypes.SqlInt16.Value property is equal to the . 9 of System.Data.SqlTypes.SqlDecimal.Value property the 10 Α System.Data.SqlTypes.SqlDecimal parameter. 11 System.Data.SqlTypes.SqlDecimal structure. 12 op Explicit 13 14 public static explicit operator SqlInt16(SqlDouble x); [C#] 15 public: SqlInt16 op Explicit(SqlDouble [C++]static x); 16 SqlInt16.op Explicit(x) [VB] returnValue 17 SqlInt16(x);[JScript] returnValue 18 19 Description 20 Converts the supplied System.Data.SqlTypes.SqlDouble structure to 21 System.Data.SqlTypes.SqlInt16 22 Return Value: A new System.Data.SqlTypes.SqlInt16 structure whose 23 System.Data.SqlTypes.SqlInt16.Value property is equal to the integer portion of 24

lee@haves.ou. 509-324-9256 1089 MS1-864US.APP

the System.Data.SqlTypes.SqlDouble parameter. Α System.Data.SqlTypes.SqlDouble structure. 2 op Explicit 3 4 explicit [C#] public static operator short(SqlInt16 x); 5 [C++]public: static short op Explicit(); 6 SqlInt16.op_Explicit(x) [VB] returnValue 7 [JScript] returnValue Int16(x);8 9 Description 10 Converts the supplied System.Data.SqlTypes.SqlInt16 structure to a short 11 integer. 12 Value: A short integer whose value is the Value of the 13 System.Data.SqlTypes.SqlInt16 parameter. A System.Data.SqlTypes.SqlInt16 14 structure. 15 op Explicit 16 17 [C#] public static explicit operator SqlInt16(SqlInt32 x); 18 [C++]public: SqlInt16 op Explicit(SqlInt32 static x); 19 [VB] returnValue SqlInt16.op Explicit(x) 20 [JScript] returnValue SqlInt16(x);21 22 Description 23 Converts the supplied System.Data.SqlTypes.SqlInt32 structure to 24 System.Data.SqlTypes.SqlInt16 25

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Return Value: A new System.Data.SqlTypes.SqlInt16 structure whose System.Data.SqlTypes.SqlInt16.Value property is equal to the System.Data.SqlTypes.SqlInt32.Value of the supplied System.Data.SqlTypes.SqlInt32 parameter. A System.Data.SqlTypes.SqlInt32 structure.

op_Explicit

[C#] public explicit SqlInt16(SqlInt64 static operator x); [C++]public: SqlInt16 op Explicit(SqlInt64 static x); SqlInt16.op Explicit(x) [VB] returnValue

[JScript] returnValue = SqlInt16(x);

Description

Converts the supplied System.Data.SqlTypes.SqlInt64 structure to System.Data.SqlTypes.SqlInt16 .

Return Value: A new System.Data.SqlTypes.SqlInt16 structure whose System.Data.SqlTypes.SqlInt16.Value property is equal to the System.Data.SqlTypes.SqlInt64.Value of the System.Data.SqlTypes.SqlInt64 parameter. A System.Data.SqlTypes.SqlInt64 structure.

op_Explicit

public explicit SqlInt16(SqlMoney [C#] static operator x); [C++]SqlInt16 op Explicit(SqlMoney public: static x); returnValue SqlInt16.op Explicit(x) [VB] [JScript] returnValue SqlInt16(x);

lee@hayes ptc 509-324-9256 1091 MS1-864US.APP

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Converts the supplied System.Data.SqlTypes.SqlMoney structure to System.Data.SqlTypes.SqlInt16

Return Value: A new System.Data.SqlTypes.SqlInt16 structure whose System.Data.SqlTypes.SqlInt16.Value property is equal to the System.Data.SqlTypes.SqlMoney.Value property of the System.Data.SqlTypes.SqlMoney parameter. A System.Data.SqlTypes.SqlMoney structure.

op Explicit

SqlInt16(SqlSingle [C#] public explicit static operator x); SqlInt16 op Explicit(SqlSingle [C++]public: static x); returnValue SqlInt16.op Explicit(x) [VB] SqlInt16(x);[JScript] returnValue

Description

System.Data.SqlTypes.SqlInt16

Return Value: A new System.Data.SqlTypes.SqlInt16 structure whose

System.Data.SqlTypes.SqlInt16.Value property is equal to the integer portin of the System.Data.SqlTypes.SqlSingle parameter. A

System.Data.SqlTypes.SqlSingle structure.

Converts the supplied System.Data.SqlTypes.SqlSingle structure to

op_Explicit

[C#]	public	static	explicit	operator	SqlInt16(SqlString	x);
[C++]	public:	stati	c Sq	lInt16	op_Explicit(SqlString	x);
[VB]	r	eturnValue	e	=	SqlInt16.op_Expli	icit(x)
[JScript]		retur	nValue		= SqlInt	16(x);

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Converts the supplied System.Data.SqlTypes.SqlString object to System.Data.SqlTypes.SqlInt16

Return Value: A new System.Data.SqlTypes.SqlInt16 structure whose System.Data.SqlTypes.SqlInt16.Value property is equal to the value represented by the System.Data.SqlTypes.SqlString object parameter. A System.Data.SqlTypes.SqlString object.

op_GreaterThan

```
SqlBoolean
                                    operator
                                               >(SqlInt16
                                                                 SqlInt16
[C#]
      public
               static
                                                            X,
                                                                            y);
[C++] public: static SqlBoolean op GreaterThan(SqlInt16 x, SqlInt16 y);
[VB]
            returnValue
                                         SqlInt16.op GreaterThan(x,
                                                                            y)
[JScript]
                  returnValue
                                                    \mathbf{X}
                                                                             у;
```

Description

Compares two instances of System.Data.SqlTypes.SqlInt16 to determine than the second. if the first is greater System.Data.SqlTypes.SqlBoolean is Value: Α that Return System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

second instance, otherwise System.Data.SqlTypes.SqlBoolean.False . If either instance of System.Data.SqlTypes.SqlInt16 is null, the System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt16 structure. A System.Data.SqlTypes.SqlInt16 structure.

op GreaterThanOrEqual

[C#] public static SqlBoolean operator >=(SqlInt16 x, SqlInt16 y);
[C++] public: static SqlBoolean op_GreaterThanOrEqual(SqlInt16 x, SqlInt16 y);
[VB] returnValue = SqlInt16.op_GreaterThanOrEqual(x, y)
[JScript] returnValue = x >= y;

Description

Compares two System.Data.SqlTypes.SqlInt16 structures to determine if first is the second. the greater than or equal to Value: System.Data.SqlTypes.SqlBoolean Α that is Return System.Data.SqlTypes.SqlBoolean.True if the first instance is greaater than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False either instance of System.Data.SqlTypes.SqlInt16 is null, the System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt16 structure. A System.Data.SqlTypes.SqlInt16 structure.

op_Implicit

[C#]	public	static	implicit	operator	SqlInt16(short	x);
[C++]	public:	statio	c SqlIr	nt16	op_Implicit(short	x);
[VB]	ret	urnValue	=	=	SqlInt16.op_Impl	icit(x)
[JScript]		retu	ırnValue		=	x;

Description

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Converts the supplied short integer to **System.Data.SqlTypes.SqlInt16** . A short integer value.

op Implicit

```
implicit
                                                        SqlInt16(SqlByte
[C#]
         public
                    static
                                           operator
                                                                              x);
                                                    op Implicit(SqlByte
                                     SqlInt16
[C++]
            public:
                         static
                                                                              x);
                                                          SqlInt16.op Implicit(x)
[VB]
                  returnValue
[JScript]
                           returnValue
                                                                               x;
```

Description

Converts the supplied System.Data.SqlTypes.SqlByte structure to System.Data.SqlTypes.SqlInt16 .

Return Value: A new System.Data.SqlTypes.SqlInt16 structure whose

System.Data.SqlTypes.SqlInt16.Value property is equal to the System.Data.SqlTypes.SqlByte.Value property of the System.Data.SqlTypes.SqlByte parameter. A System.Data.SqlTypes.SqlByte structure.

op_Inequality

[C#] public static SqlBoolean operator !=(SqlInt16 x, SqlInt16 y);
[C++] public: static SqlBoolean op_Inequality(SqlInt16 x, SqlInt16 y);
[VB] returnValue = SqlInt16.op_Inequality(x, y)
[JScript] returnValue = x != y;

Description

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Performs a logical comparison of two System.Data.SqlTypes.SqlInt16 determine if they equal. structures to are Value: System.Data.SqlTypes.SqlBoolean Return Α System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either System.Data.SqlTypes.SqlInt16 the of is null, instance System.Data.SqlTypes.SqlBoolean.Value of the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt16 structure. A System.Data.SqlTypes.SqlInt16 structure.

op_LessThan

[C#] public static SqlBoolean operator

[C++] public: static SqlBoolean op_LessThan(SqlInt16 x, SqlInt16 y);

[VB] returnValue = SqlInt16.op_LessThan(x, y)

[JScript] returnValue = x < y;

Description

lee@hayes pt 509-324-9256 MS1-864US.APP

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Compares two instances of System.Data.SqlTypes.SqlInt16 to determine if the first is less than the second. Return Value: Α System.Data.SqlTypes.SqlBoolean that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of System.Data.SqlTypes.SqlInt16 is null, the System.Data.SqlTypes.SqlBoolean.Value of the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt16 structure. A System.Data.SqlTypes.SqlInt16 structure.

op_LessThanOrEqual

[C#] public static SqlBoolean operator <=(SqlInt16 x, SqlInt16 y);
[C++] public: static SqlBoolean op_LessThanOrEqual(SqlInt16 x, SqlInt16 y);
[VB] returnValue = SqlInt16.op_LessThanOrEqual(x, y)
[JScript] returnValue = x <= y;

Description

Compares two System.Data.SqlTypes.SqlInt16 structures to determine if equal the first is less than or to the second. System.Data.SqlTypes.SqlBoolean is Return Value: Α that System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If System.Data.SqlTypes.SqlInt16 of is null. the either instance System.Data.SqlTypes.SqlBoolean.Value of the

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt16
structure. A System.Data.SqlTypes.SqlInt16 structure.

op_Modulus

[C#] public static SqlInt16 operator %(SqlInt16 x, SqlInt16 y);

[C#] public static SqlInt16 operator %(SqlInt16 x, SqlInt16 y);

[C++] public: static SqlInt16 op_Modulus(SqlInt16 x, SqlInt16 y);

[VB] returnValue = SqlInt16.op_Modulus(x, y)

[JScript] returnValue = x % y;

Description

The modulus operator computes the remainder after dividing its first System.Data.SqlTypes.SqlInt16 operand by its second. Return Value: Α System.Data.SqlTypes.SqlInt16 structure whose System.Data.SqlTypes.SqlInt16.Value contains the remainder. Α System.Data.SqlTypes.SqlInt16 structure. A System.Data.SqlTypes.SqlInt16 structure.

op_Multiply

SqlInt16 *(SqlInt16 [C#] public static operator х, SqlInt16 y); [C++] public: static SqlInt16 op Multiply(SqlInt16 x, SqlInt16 y); SqlInt16.op Multiply(x, [VB] returnValue y) [JScript] returnValue X у;

Description

1	The multiplication operator computes the product of the tw	vo
2	System.Data.SqlTypes.SqlInt16 parameter	rs.
3	Return Value: A System.Data.SqlTypes.SqlInt16 structure who	se
4	System.Data.SqlTypes.SqlInt16.Value contains the product of the tw	vo
5	parameters. A System.Data.SqlTypes.SqlInt16 structure.	Α
6	System.Data.SqlTypes.SqlInt16 structure.	
7	op_OnesComplement	
8		
9	[C#] public static SqlInt16 operator ~(SqlInt16 x	k);
10	[C++] public: static SqlInt16 op_OnesComplement(SqlInt16 x	ĸ);
11	[VB] returnValue = SqlInt16.op_OnesComplement(x)
12	[JScript] returnValue = ~	ν;
13		
14	Description	
15	The ~ operator performs a bitwise one's complement operation on i	its
16	System.Data.SqlTypes.SqlByte operand. A System.Data.SqlTypes.SqlInt	16
17	structure.	
18	op_Subtraction	
19		
20	[C#] public static SqlInt16 operator -(SqlInt16 x, SqlInt16 y	y);
21	[C++] public: static SqlInt16 op_Subtraction(SqlInt16 x, SqlInt16 y	y);
22	[VB] returnValue = SqlInt16.op_Subtraction(x,	y)
23	[JScript] returnValue = x -	.y;
24		
25	Description	

Subtracts the second System.Data.SqlTypes.SqlInt16 parameter from the 1 first. 2 Value: A System.Data.SqlTypes.SqlInt16 Return structure whose 3 System.Data.SqlTypes.SqlInt16.Value property contains the results of the 4 subtraction. System.Data.SqlTypes.SqlInt16 structure. Α 5 System.Data.SqlTypes.SqlInt16 structure. 6 op UnaryNegation 7 8 public SqlInt16 [C#] static -(SqlInt16 operator x); 9 [C++]public: static SqlInt16 op UnaryNegation(SqlInt16 x); 10 returnValue SqlInt16.op UnaryNegation(x) [VB] 11 [JScript] returnValue 12 -x; 13 Description 14 The minus unary operator negates the 15 System.Data.SqlTypes.SqlInt16.Value of the System.Data.SqlTypes.SqlInt16 16 operand. A System.Data.SqlTypes.SqlInt16 structure. 17 Parse 18 19 public SqlInt16 [C#] static Parse(string s); 20 SqlInt16 [C++]public: static Parse(String* s); 21 [VB] Public Shared Function Parse(ByVal s As String) As 22 [JScript] public static function Parse(s SqlInt16; String) 23 24 Description 25

.774.0764

lee@hayes ≠c

1	[.]	[.]					
2	Subt	tract					
3							
4	[C#] pu	blic station	c SqlInt16	Subtract(SqlInt16	х,	SqlInt16	y);
5	[C++] p	ublic: sta	tic SqlInt16	Subtract(SqlInt16	x,	SqlInt16	y);
6	[VB] Publ	ic Shared	Function Subt	ract(ByVal x As S	qlInt16	, ByVal y	As
7	SqlInt16)			As		SqlI	nt16
8	[JScript] p	ublic static	function Subtr	ract(x : SqlInt16, y :	SqlIn	t16) : SqlIr	nt16;
9							
10	Description	ı					
11	[.]						
12	ToS	qlBoolean					
13							
14	[C#]	pub	lic	SqlBoolean	7	ΓοSqlBoole	an();
15	[C++]	pul	olic:	SqlBoolean	7	ΓοSqlBoole	an();
16	[VB]	Public	Function	ToSqlBoolean()	As	SqlBoo	lean
17	[JScript]	public	function	ToSqlBoolean()	:	SqlBool	ean;
18							
19	Description	ı					
20	[.]						
21	ToS	qlByte					
22							
23	[C#]	p	ublic	SqlByte		ToSqlBy	te();
24	[C++]	F	oublic:	SqlByte		ToSqlBy	te();
25	[VB]	Public	Function	ToSqlByte()	As	Sql	Byte

lee@hayes ≠ 509-324-9256 1101 MS1-864US.APP

ToSqlDecimal(); ToSqlDecimal(); SqlDecimal SqlDecimal; ToSqlDouble(); ToSqlDouble(); SqlDouble As SqlDouble; [C#] public SqlInt32 ToSqlInt32(); 25

SqlByte;

	1	[C++]	рı	ıblic:	SqlInt32	ToSqlInt32();		
	2	[VB]	Public	Function	ToSqlInt32()	As	SqlInt32	
	3	[JScript]	public	function	ToSqlInt32()	:	SqlInt32;	
	4		-					
	5	Descriptio	n					
	6	[.]]					
	7	ToS	SqlInt64					
	8							
۵	9	[C#]	pu	blic	SqlInt64	ToSqlInt64();		
	10	[C++] `	, pı	ıblic:	SqlInt64		ToSqlInt64();	
	11	[VB]	Public	Function	ToSqlInt64()	As	SqlInt64	
U D	12	[JScript]	public	function	ToSqlInt64()	:	SqlInt64;	
ŧ	13							
	14	Descriptio	n					
	15	[]					
	16	ToS	SqlMoney					
	17							
	18	[C#] public		SqlMoney	Te	oSqlMoney();		
	19	[C++]	pul	blic:	SqlMoney	Te	oSqlMoney();	
	20	[VB]	Public	Function	ToSqlMoney()	As	SqlMoney	
	21	[JScript]	public	function	ToSqlMoney()	:	SqlMoney;	
	22							
	23	Descriptio	n					
	24	[.]]					
	25	ToS	SqlSingle					

1				•					
2	[C#] public			SqlSing	le		ToSqlS	Single	();
3	[C++]	pul	blic:	SqlSing	gle		ToSqlS	Single	();
4	[VB]	Public	Function	ToSqlSir	ngle()	As	So	qlSing	gle
5	[JScript]	public	function	ToSqlS	Single()	:	Sq	lSing	le;
6									
7	Description	on							
8	[.]							
9	Tos	SqlString							
10									
11	[C#]	pub	lic	SqlStrin	ıg		ToSqlS	String	();
12	[C++]	pu	blic:	SqlStri	ng		ToSqlS	String	();
13	[VB]	Public	Function	ToSqlStr	ring()	As	S	qlStri	ng
14	[JScript]	public	function	ToSql	String()	:	Sq	lStrin	ıg;
15									
16	Descriptio	on .							
17	[.]							
18	Tos	String							
19									
20	[C#]	public	ove	rride	string	g	ToS	String	();
21	[C++]	p	oublic:	Stri	ng*		ToS	String	();
22	[VB]	Overrides	Public	Function	ToStrir	ng()	As	Strii	ng
23	[JScript]	public ove	rride function	on ToStrin	g() :	String;	Conv	erts	a
24	System.D:	ata.SqlTypes.	SqlInt16	structure	to	Syste	m.Strin	g	•
25									

1	
2	Description
3	Converts a System.Data.SqlTypes.SqlInt16 structure to System.String .
4	Return Value: A System.String object representing the
5	System.Data.SqlTypes.SqlInt16.Value of this instance of
6	System.Data.SqlTypes.SqlInt16
7	Xor
8	
9	[C#] public static SqlInt16 Xor(SqlInt16 x, SqlInt16 y);
10	[C++] public: static SqlInt16 Xor(SqlInt16 x, SqlInt16 y);
11	[VB] Public Shared Function Xor(ByVal x As SqlInt16, ByVal y As SqlInt16) As
12	SqlInt16
13	[JScript] public static function Xor(x : SqlInt16, y : SqlInt16) : SqlInt16;
14	
15	Description
16	[.]
17	SqlInt32 structure (System.Data.SqlTypes)
18	Xor
19	
20	·
21	Description
22	Represents a 32-bit signed integer to be stored in or retrieved from a
23	database.
24	Xor ·
25	

1									
2	[C#]	public	static	readoi	nly	SqlInt32	N	MaxValu	e;
3	[C++]	publ	ic:	static	Sql	Int32	N	MaxValu	e;
4	[VB]	Public	Shared	ReadOnly	Max	Value	As	SqlInt3	2
5	[JScript]	public	static	var	MaxV	/alue	:	SqlInt32	2;
6									
7	Description	on							
8	Α	constant	representi	ng the	largest	possible	value	e of	a
9	System.D	ata.SqlTyp	es.SqlInt32	•					
10	Th	e value for the	his constant	is 2,147,48	3,647.	~ .			
11	Xo	or							
12									
13	[C#]	public	static	reado	•	SqlInt32		MinValu	•
14	[C++]	publ		static	_	lInt32]	MinValu	
15	[VB]	Public	Shared	ReadOnly	•	Value	As	SqlInt3	
16	[JScript]	public	static	var	MinV	Value	:	SqlInt32	2;
17	.								
18	Descriptio		.•		11			6	
19	A		representi		smallest	possible	valu	e of	a
20	_	ata.SqlTyp	-		2 6 4 9				
21	Xo	e value of th	is constant i	18 -2,147,48	3,048.				
22	Au) I							
23	[C#]	public	static	res	adonly	SqlIn	it32	Nul	1.
25	[C++]	_	olic:	static	-20111	SqlInt32		Nul	
	[-]	Put				~ 7		1,001	-,

ee@hayes ≠ \$79-1249256 MS1-864US.APP

,,,,,,,	=	1
ţ	Ī	1
ŧ	Ì	1
	=	3
1	į	į
	Ĩ	7
ĺ	-	ì
i	-	Turk.
5		
ĺ	=	į
÷,	-	į
į.	=	<u>.</u>
	=	Ì
Í,	=	
Į.	=	=

[VB]	Public	Shared	ReadOnly	Null	As	SqlInt32
[JScript]	public	static	var	Null	:	SqlInt32;

Description

Represents a null value that can be assigned to the System.Data.SqlTypes.SqlInt32.Value property of an instance of the System.Data.SqlTypes.SqlInt32 structure.

System.Data.SqlTypes.SqlInt32.Null functions as a constant for the System.Data.SqlTypes.SqlInt32 structure.

Xor

[C#]	public	static	readonly	S	sqlInt32	Zero;
[C++]	public:		static	SqlIr	nt32	Zero;
[VB]	Public	Shared	ReadOnly	Zero	As	SqlInt32
[JScript]	public	static	var	Zero	:	SqlInt32;

Description

Represents a zero value that can be assigned to the System.Data.SqlTypes.SqlInt32.Value property of an instance of the System.Data.SqlTypes.SqlInt32 structure.

The System.Data.SqlTypes.SqlInt32.Zero field is a constant for the System.Data.SqlTypes.SqlInt32 structure.

SqlInt32

Example Syntax:

Xor

II							
2	[C#]		public	S	SqlInt32(int		value);
3	[C++]		public:		SqlInt32(int		value);
	[VB]	Public	Sub	New(ByVal	·	As	Integer)
4	[JScript]	public			SqlInt32(value		int);
5	[Journey	puon	1411		oqiiiio2(varac		
7	Descriptio	on .					
	_		w instance o	f the System	ı.Data.SqlTyp	es.SalIn	t32 structure
8		supplied into		i the System		coloquin	
9	IsN		ger value.			•	
10	Xo						
11	Au	1					
12	[C#]	ما درس	li.	haal	IsNu	11	(gate)
13	[C#]	pub		bool			{get;}
14	[C++]	public		_property	bool		get_IsNull();
15	[VB]	Public	ReadOnly	Propert		As	Boolean
16	[JScript]	public	function	on get	IsNull()	:	Boolean;
17							
18	Description						
19			ner or not Sy	stem.Data.S	qlTypes.SqlIn	ıt32.Valı	ie is null.
20		lue					
21	Xo	r					
22							
23	[C#]	pul	olic	int	Valu	e	{get;}
24	[C++]	publi	c:	property	int		get_Value();
25	[VB]	Public	ReadOnly	Proper	ty Value	As	Integer-

1	[JScript] public function get Value() : int;
2	·
3	Description
4	Gets the value of this System.Data.SqlTypes.SqlInt32 structure. This
5	property is read-only.
6	Add
7	
8	[C#] public static SqlInt32 Add(SqlInt32 x, SqlInt32 y);
9	[C++] public: static SqlInt32 Add(SqlInt32 x, SqlInt32 y);
10	[VB] Public Shared Function Add(ByVal x As SqlInt32, ByVal y As SqlInt32) As
11	SqlInt32
12	[JScript] public static function Add(x : SqlInt32, y : SqlInt32) : SqlInt32;
13	÷
14	Description
15	[.]
16	BitwiseAnd
17	
18	[C#] public static SqlInt32 BitwiseAnd(SqlInt32 x, SqlInt32 y);
19	[C++] public: static SqlInt32 BitwiseAnd(SqlInt32 x, SqlInt32 y);
20	[VB] Public Shared Function BitwiseAnd(ByVal x As SqlInt32, ByVal y As
21	SqlInt32) As SqlInt32
22	[JScript] public static function BitwiseAnd(x : SqlInt32, y : SqlInt32) : SqlInt32;
23	
24	Description
25	[.]

ij
١ <u>D</u> .
IU
IJ
M
£i
إيه أ
ᅼ

B	itwiseO	r						
[C#] r	oublic	static	SqlInt32	BitwiseO	r(SqlInt32	x,	SqlInt32	y);
[C++]	public:	static	SqlInt32	Bitwise(Or(SqlInt32	х,	SqlInt32	y);
[VB] Pu	ıblic Sh	nared Fu	nction Bitw	viseOr(ByV	al x As So	qlInt32	, ByVal y	/ As
SqlInt32)			As			SqlI	nt32
[JScript]	public	static fu	nction Bitwi	iseOr(x : S	qlInt32, y:	SqlInt	32) : SqlI1	nt32;
Descript	ion							
]	.]							
C	ompare?	Γο						
[C#]	p	ublic	int	Co	ompareTo(ol	oject	va	lue);
[C++]	publ	ic:	sealed	int	CompareTo	(Objec	et* va	lue);
[VB] No	otOverri	dable Pu	blic Function	on Compar	eTo(ByVal	value	As Object) As
Integer								
[JScript]	pub	lic fu	nction C	ompareTo(value :	Obje	ect) :	int;
Descript	ion							
C	ompares	this ins	tance to the	supplied o	bject and re	turns a	n indication	n of
their			r	elative			va	lues.
Return V	alue: A	signed 1	number indi	cating the r	elative valu	es of tl	he instance	and
the object	t. The o	bject to b	e compared					
D	ivide							
	•							

[C#]	public	static	SqlInt32	Divide(SqlIn	t32 x,	SqlInt3	2 y);
[C++]	public	static	SqlInt32	Divide(SqlI	nt32 x	, SqlInt3	32 y);
[VB] I	Public Sha	red Functi	ion Divide(B	syVal x As Sql	Int32, By	Val y As S	qlInt32)
As						Ç	SqlInt32
[JScrip	ot] public	static fur	nction Divid	e(x : SqlInt32	2, y : Sq	lInt32) : S	qlInt32;
Descri	ption						
	[`.]						
	Equals						
		·					
[C#]	publ	ic (override	bool	Equals(o	bject	value);
[C++]		public:	bool	Equ	als(Object	t*	value);
[VB]	Overrides	Public F	unction Equ	als(ByVal val	ue As O	bject) As 1	Boolean
[JScrip	ot] public	e overrid	le function	Equals(value	e : Ob	ject) : E	Boolean;
Descri	ption						
	Compares	the	supplied	object	parame	eter to	the
System	n.Data.Sq	lTypes.Sq	lInt32.Valu	e prop	erty	of	the
System	n.Data.Sq	lTypes.Sq	lInt32				object.
Return	Value: t	rue if obj	ect is an ins	stance of System	em.Data.S	SqlTypes.S	qlInt32
and the	e two are e	qual; othe	rwise false .	The object to b	e compar	ed.	
	Equals						
[C#]	public s	static nev	w SqlBool	ean Equals(S	qlInt32	x, SqlInt	32 y);

[C++] public: static SqlBoolean Equals(SqlInt32 x, SqlInt32 y);
[VB] Shadows Public Shared Function Equals(ByVal x As SqlInt32, ByVal y As
SqlInt32) As SqlBoolean
[JScript] public static hide function Equals(x : SqlInt32, y : SqlInt32) :
SqlBoolean;
Description
[.]
GetHashCode
[C#] public override int GetHashCode();
[C++] public: int GetHashCode();
[VB] Overrides Public Function GetHashCode() As Integer
[JScript] public override function GetHashCode() : int;
Description
Returns the hash code for this instance.
Return Value: A 32-bit signed integer hash code.
GreaterThan
[C#] public static SqlBoolean GreaterThan(SqlInt32 x, SqlInt32 y);
[C++] public: static SqlBoolean GreaterThan(SqlInt32 x, SqlInt32 y);
[VB] Public Shared Function GreaterThan(ByVal x As SqlInt32, ByVal y As
SqlInt32) As SqlBoolean
[JScript] public static function GreaterThan(x : SqlInt32, y : SqlInt32) :

lee⊗hayes ≠ 509-324-9256 1112 MS1-864US.APP

SqlBoolean; 2 Description 3 [.] 4 GreaterThanOrEqual 5 6 [C#] public static SqlBoolean GreaterThanOrEqual(SqlInt32 x, SqlInt32 y); 7 [C++] public: static SqlBoolean GreaterThanOrEqual(SqlInt32 x, SqlInt32 y); 8 [VB] Public Shared Function GreaterThanOrEqual(ByVal x As SqlInt32, ByVal y 9 SqlInt32) As SqlBoolean As 10 [JScript] public static function GreaterThanOrEqual(x : SqlInt32, y : SqlInt32) : 11 SqlBoolean; 12 13 Description 14 [.] 15 LessThan 16 17 [C#] public static SqlBoolean LessThan(SqlInt32 x, SqlInt32 y); 18 SqlBoolean LessThan(SqlInt32 SqlInt32 [C++] public: static x, y); 19 [VB] Public Shared Function LessThan(ByVal x As SqlInt32, ByVal y As 20 SqlBoolean SqlInt32) As 21 [JScript] public static function LessThan(x : SqlInt32, y : SqlInt32) : SqlBoolean; 22 23 Description 24 25 [.]

LessThanOrEqual 2 [C#] public static SqlBoolean LessThanOrEqual(SqlInt32 x, SqlInt32 y); 3 [C++] public: static SqlBoolean LessThanOrEqual(SqlInt32 x, SqlInt32 y); [VB] Public Shared Function LessThanOrEqual(ByVal x As SqlInt32, ByVal y As 5 SqlInt32) As SqlBoolean 6 [JScript] public static function LessThanOrEqual(x : SqlInt32, y : SqlInt32) : SqlBoolean; 8 9 Description 10 [.] 11 Mod 12 13 public static SqlInt32 Mod(SqlInt32 [C#] x, SqlInt32 y); 14 SqlInt32 Mod(SqlInt32 [C++]public: static. SqlInt32 X, y); 15 [VB] Public Shared Function Mod(ByVal x As SqlInt32, ByVal y As SqlInt32) As 16 SqlInt32 17 [JScript] public static function Mod(x : SqlInt32, y : SqlInt32) : SqlInt32; 18 19 Description 20 [.] 21 Multiply 22 23 SqlInt32 Multiply(SqlInt32 SqlInt32 public static y); [C#] х, 24

Multiply(SqlInt32

y);

SqlInt32

X,

public:

static

SqlInt32

[C++]

1	[VB] Public Shared Function Multiply(ByVal x As SqlInt32, ByVal y As
2	SqlInt32) As SqlInt32
3	[JScript] public static function Multiply(x : SqlInt32, y : SqlInt32) : SqlInt32;
4	
5	Description
6	[.]
7	NotEquals
8	
9	[C#] public static SqlBoolean NotEquals(SqlInt32 x, SqlInt32 y);
10	[C++] public: static SqlBoolean NotEquals(SqlInt32 x, SqlInt32 y);
11	[VB] Public Shared Function NotEquals(ByVal x As SqlInt32, ByVal y As
12	SqlInt32) As SqlBoolean
13	[JScript] public static function NotEquals(x : SqlInt32, y : SqlInt32) : SqlBoolean;
14	
15	Description
16	[.]
17	OnesComplement
18	
19	[C#] public static SqlInt32 OnesComplement(SqlInt32 x);
20	[C++] public: static SqlInt32 OnesComplement(SqlInt32 x);
21	[VB] Public Shared Function OnesComplement(ByVal x As SqlInt32) As
22	SqlInt32
23	[JScript] public static function OnesComplement(x : SqlInt32) : SqlInt32;
24	
25	Description

[.] op Addition 2 3 SqlInt32 +(SqlInt32 SqlInt32 [C#] public static operator X, y); 4 static SqlInt32 op Addition(SqlInt32 SqlInt32 [C++] public: X, y); 5 [VB] returnValue SqlInt32.op Addition(x, y) 6 [JScript] returnValue \mathbf{X} у; 7 8 Description 9 The addition of the operator computes the two sum 10 operands. System.Data.SqlTypes.SqlInt32 11 Value: System.Data.SqlTypes.SqlInt32 whose Return Α structure 12 System.Data.SqlTypes.SqlInt32.Value property contains the sum of the two 13 System.Data.SqlTypes.SqlInt32 operands. A System.Data.SqlTypes.SqlInt32 14 structure. A System.Data.SqlTypes.SqlInt32 structure. 15 op BitwiseAnd 16 17 [C#] public static SqlInt32 operator &(SqlInt32 х, SqlInt32 y); 18 [C++] public: static SqlInt32 op BitwiseAnd(SqlInt32 x, SqlInt32 y); 19 returnValue SqlInt32.op BitwiseAnd(x, [VB] y) 20 [JScript] returnValue & X у; . 21 22 Description 23 24 25

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Return

Computes the bitwise AND of its System.Data.SqlTypes.SqlInt32 operands. System.Data.SqlTypes.SqlInt32 structure. Α System.Data.SqlTypes.SqlInt32 structure. op BitwiseOr SqlInt32 operator (SqlInt32 SqlInt32 [C#] public static X, y); [C++] public: static SqlInt32 op BitwiseOr(SqlInt32 x, SqlInt32 y); returnValue SqlInt32.op BitwiseOr(x, [VB] y) [JScript] returnValue X у; Description Computes the bitwise OR of its two System.Data.SqlTypes.SqlInt32 System.Data.SqlTypes.SqlInt32 structure. operands. Α Α System.Data.SqlTypes.SqlInt32 structure. op Division public static SqlInt32 operator /(SqlInt32 х, SqlInt32 [C#] y); [C++]public: static SqlInt32 op Division(SqlInt32 x, SqlInt32 y); [VB] returnValue SqlInt32.op Division(x, y) [JScript] returnValue Х у; Description The division operator divides the first System.Data.SqlTypes.SqlInt32 the from second. parameter Value: System.Data.SqlTypes.SqlInt32 whose

1117 MS1-864US.APP lee@hayes ptc 509-324-9256

Α

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlInt32.Value property contains the results of the division. A System.Data.SqlTypes.SqlInt32 structure. A System.Data.SqlTypes.SqlInt32 structure.

op_Equality

[C#] public static SqlBoolean operator ==(SqlInt32 x, SqlInt32 y);
[C++] public: static SqlBoolean op_Equality(SqlInt32 x, SqlInt32 y);
[VB] returnValue = SqlInt32.op_Equality(x, y)
[JScript] returnValue = x == y;

Description

Performs a logical comparison of the two System.Data.SqlTypes.SqlInt32 determine if thev equal. parameters to are System.Data.SqlTypes.SqlBoolean Return Value: Α that is System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If either instance of System.Data.SqlTypes.SqlInt32 is null, the System.Data.SqlTypes.SqlBoolean.Value of the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt32 structure. A System.Data.SqlTypes.SqlInt32 structure.

op_ExclusiveOr

[C#] public static SqlInt32 operator ^(SqlInt32 x, SqlInt32 y); [C++] public: static SqlInt32 op_ExclusiveOr(SqlInt32 x, SqlInt32 y);

lee@hayes pt 509-124-9256 1118 MS1-864US.APP

[VB] returnValue = SqlInt32.op_ExclusiveOr(x, y)

[JScript] returnValue = x ^ y;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Performs a bitwise exclusive-OR operation on the supplied parameters. A System.Data.SqlTypes.SqlInt32 structure. A System.Data.SqlTypes.SqlInt32 structure.

op Explicit

[C#] public explicit operator SqlInt32(SqlBoolean static x); public: SqlInt32 op Explicit(SqlBoolean [C++]static x); [VB] returnValue SqlInt32.op Explicit(x) = [JScript] returnValue SqlInt32(x);

Description

Converts the supplied **System.Data.SqlTypes.SqlBit** to **System.Data.SqlTypes.SqlInt32** .

Return Value: A new System.Data.SqlTypes.SqlInt32 structure whose System.Data.SqlTypes.SqlInt32.Value property is equal to the System.Data.SqlTypes.SqlBit.ByteValue property of the System.Data.SqlTypes.SqlBit parameter. A System.Data.SqlTypes.SqlBit structure.

op_Explicit

[C#] public static explicit operator SqlInt32(SqlDecimal x);

1119

MS1-864US.APP

1	[C++] public: static SqlInt32 op_Explicit(SqlDecimal x);
2	[VB] returnValue = SqlInt32.op_Explicit(x)
3	[JScript] returnValue = SqlInt32(x);
4	
5	Description
6	Converts the supplied System.Data.SqlTypes.SqlDecimal structure to
7	System.Data.SqlTypes.SqlInt32
8	Return Value: A new System.Data.SqlTypes.SqlInt32 structure whose
9	System.Data.SqlTypes.SqlInt32.Value property equals the
10	System.Data.SqlTypes.SqlDecimal.Value property of the
11	System.Data.SqlTypes.SqlDecimal parameter. A
12	System.Data.SqlTypes.SqlDecimal structure.
13	op_Explicit
14	
15	[C#] public static explicit operator SqlInt32(SqlDouble x);
16	[C++] public: static SqlInt32 op_Explicit(SqlDouble x);
17	[VB] returnValue = SqlInt32.op_Explicit(x)
18	[JScript] returnValue = SqlInt32(x);
19	
20	Description
21	Converts the supplied System.Data.SqlTypes.SqlDouble to
22	System.Data.SqlTypes.SqlInt32
23	Return Value: A new System.Data.SqlTypes.SqlInt32 structure whose
24	System.Data.SqlTypes.SqlInt32.Value property equals the integer portion of the
25	

e@hayes ak 509-124-926 1120 MS1-864US.APP

1	System.Data.SqlTypes.SqlDouble parameter. A							
2	System.Data.SqlTypes.SqlDouble structure.							
3	op_Explicit							
4								
5	[C#] public static explicit operator int(SqlInt32 x);							
6	[C++] public: static int op_Explicit();							
7	[VB] returnValue = SqlInt32.op_Explicit(x)							
8	[JScript] returnValue = Int32(x);							
9								
10	Description							
11	Converts the supplied System.Data.SqlTypes.SqlInt32 structure to an							
12	integer. A System.Data.SqlTypes.SqlInt32 structure.							
13	op_Explicit							
14								
15	[C#] public static explicit operator SqlInt32(SqlInt64 x);							
16	[C++] public: static SqlInt32 op_Explicit(SqlInt64 x);							
17	[VB] returnValue = SqlInt32.op_Explicit(x)							
18	[JScript] returnValue = SqlInt32(x);							
19								
20	Description							
21	Converts the supplied System.Data.SqlTypes.SqlInt64 to							
22	System.Data.SqlTypes.SqlInt32							
23	Return Value: A new System.Data.SqlTypes.SqlInt32 structure whose							
24	System.Data.SqlTypes.SqlInt32.Value property equals the							
25	System.Data.SqlTypes.SqlInt64.Value property of the							

1	System.Data.SqlTypes.SqlInt64 parameter. A System.Data.SqlTypes.SqlInt64
2	structure.
3	op_Explicit
4	
5	[C#] public static explicit operator SqlInt32(SqlMoney x);
6	[C++] public: static SqlInt32 op_Explicit(SqlMoney x);
7	[VB] returnValue = SqlInt32.op_Explicit(x)
8	[JScript] returnValue = SqlInt32(x);
9	·
10	Description
11	Converts the supplied System.Data.SqlTypes.SqlMoney structure to
12	System.Data.SqlTypes.SqlInt32
13	Return Value: A new System.Data.SqlTypes.SqlInt32 structure whose
14	System.Data.SqlTypes.SqlInt32.Value property equals the
15	System.Data.SqlTypes.SqlMoney.Value property of the
16	System.Data.SqlTypes.SqlMoney parameter. A
17	System.Data.SqlTypes.SqlMoney structure.
18	op_Explicit
19	
20	[C#] public static explicit operator SqlInt32(SqlSingle x);
21	[C++] public: static SqlInt32 op_Explicit(SqlSingle x);
22	[VB] returnValue = SqlInt32.op_Explicit(x)
23	[JScript] returnValue = SqlInt32(x);
24	
25	Description

lee@hayes øk 509-324-926 1122 MS1-864US.APP

1	Converts the supplied System.Data.SqlTypes.SqlSingle to
2	System.Data.SqlTypes.SqlInt32
3	Return Value: A new System.Data.SqlTypes.SqlInt32 structure whose
4	System.Data.SqlTypes.SqlInt32.Value property equals the integer portion of the
5	System.Data.SqlTypes.SqlSingle parameter. A
6	System.Data.SqlTypes.SqlSingle structure.
7	op_Explicit
8	
9	[C#] public static explicit operator SqlInt32(SqlString x);
10	[C++] public: static SqlInt32 op_Explicit(SqlString x);
11	[VB] returnValue = SqlInt32.op_Explicit(x)
12	[JScript] returnValue = SqlInt32(x);
13	
14	Description
15	Converts the supplied System.Data.SqlTypes.SqlString object to
16	System.Data.SqlTypes.SqlInt32
17	Return Value: A new System.Data.SqlTypes.SqlInt32 structure whose
18	System.Data.SqlTypes.SqlInt32.Value property equals the value represented by
19	the System.Data.SqlTypes.SqlString parameter. A
20	System.Data.SqlTypes.SqlString object.
21	op_GreaterThan
22	
23	[C#] public static SqlBoolean operator >(SqlInt32 x, SqlInt32 y);
24	[C++] public: static SqlBoolean op_GreaterThan(SqlInt32 x, SqlInt32 y);
25	[VB] returnValue = SqlInt32.op_GreaterThan(x, y)

[JScript] returnValue = x > y;

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

22

23

24

25

the two System.Data.SqlTypes.SqlInt32 parameters if determine the first is greater than the second. Return Value: Α System.Data.SqlTypes.SqlBoolean that is System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either of System.Data.SqlTypes.SqlInt32 is null, the instance System.Data.SqlTypes.SqlBoolean.Value of the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt32 structure. A System.Data.SqlTypes.SqlInt32 structure.

 $op_GreaterThanOrEqual$

[C#] public static SqlBoolean operator >=(SqlInt32 x, SqlInt32 y);
[C++] public: static SqlBoolean op_GreaterThanOrEqual(SqlInt32 x, SqlInt32 y);
[VB] returnValue = SqlInt32.op_GreaterThanOrEqual(x, y)
[JScript] returnValue = x >= y;

21 Description

the two System.Data.SqlTypes.SqlInt32 parameters if the greater than or equal determine first is the second. System.Data.SqlTypes.SqlBoolean Return Value: Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is greaater than or

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False either instance of System.Data.SqlTypes.SqlInt32 is null, the of the System.Data.SqlTypes.SqlBoolean.Value System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt32 structure. A System.Data.SqlTypes.SqlInt32 structure. op Implicit implicit SqlInt32(int [C#] public static operator x); SqlInt32 op Implicit(int [C++]public: static x); returnValue SqlInt32.op Implicit(x) [VB] [JScript] returnValue x; Description Converts the supplied integer to System.Data.SqlTypes.SqlInt32. Return Value: A new System.Data.SqlTypes.SqlInt32 structure whose Value property is equal to the integer parameter. An integer value. op Implicit public static implicit operator SqlInt32(SqlByte [C#] x); [C++]public: static SqlInt32 op Implicit(SqlByte x); SqlInt32.op Implicit(x) [VB] returnValue [JScript] returnValue x;

1125

Description

1	Converts the supplied System.Data.SqlTypes.SqlByte property to
2	System.Data.SqlTypes.SqlInt32
3	Return Value: A new System.Data.SqlTypes.SqlInt32 structure whose
4	System.Data.SqlTypes.SqlInt32.Value property equals the
5	System.Data.SqlTypes.SqlByte.Value property of the
6	System.Data.SqlTypes.SqlByte parameter. A System.Data.SqlTypes.SqlByte
7	structure.
8	op_Implicit
9	
10	[C#] public static implicit operator SqlInt32(SqlInt16 x);
11	[C++] public: static SqlInt32 op_Implicit(SqlInt16 x);
12	[VB] returnValue = SqlInt32.op_Implicit(x)
13	[JScript] returnValue = x;
14	
15	Description
16	Converts the supplied System.Data.SqlTypes.SqlInt16 to
17	System.Data.SqlTypes.SqlInt32
18	Return Value: A new System.Data.SqlTypes.SqlInt32 structure whose
19	System.Data.SqlTypes.SqlInt32.Value property equals the
20	System.Data.SqlTypes.SqlInt16.Value property of the
21	System.Data.SqlTypes.SqlInt16 parameter. A System.Data.SqlTypes.SqlInt16
22	structure.
23	op_Inequality
24	
25	[C#] public static SqlBoolean operator !=(SqlInt32 x, SqlInt32 y);

[C++] public: static SqlBoolean op_Inequality(SqlInt32 x, SqlInt32 y);
[VB] returnValue = SqlInt32.op_Inequality(x, y)

[JScript] returnValue = x != y;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Performa a logical comparison of the two System.Data.SqlTypes.SqlInt32 if parameters determine they to are equal. Value: System.Data.SqlTypes.SqlBoolean Return Α that is System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either of System.Data.SqlTypes.SqlInt32 is instance null, the System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt32 structure. A System.Data.SqlTypes.SqlInt32 structure.

op_LessThan

[C#] public static SqlBoolean operator
[C++] public: static SqlBoolean op_LessThan(SqlInt32 x, SqlInt32 y);
[VB] returnValue = SqlInt32.op_LessThan(x, y)
[JScript] returnValue = x < y;

Description

Compares the two **System.Data.SqlTypes.SqlInt32** parameters to determine if the first is less than the second.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Return Value: Α System.Data.SqlTypes.SqlBoolean that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of System.Data.SqlTypes.SqlInt32 is null, the System.Data.SqlTypes.SqlBoolean.Value of the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt32 structure. A System.Data.SqlTypes.SqlInt32 structure.

op LessThanOrEqual

[C#] public static SqlBoolean operator <=(SqlInt32 x, SqlInt32 y);
[C++] public: static SqlBoolean op_LessThanOrEqual(SqlInt32 x, SqlInt32 y);
[VB] returnValue = SqlInt32.op_LessThanOrEqual(x, y)
[JScript] returnValue = x <= y;

Description

the two System.Data.SqlTypes.SqlInt32 parameters determine if the first is less than or equal the second. System.Data.SqlTypes.SqlBoolean Return Value: Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either System.Data.SqlTypes.SqlInt32 the instance of null, System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt32 structure. A System.Data.SqlTypes.SqlInt32 structure. op Modulus public SqlInt32 [C#] static operator %(SqlInt32 SqlInt32 X, y); [C++] public: static SqlInt32 op Modulus(SqlInt32 x, SqlInt32 y);

[VB] returnValue SqlInt32.op Modulus(x, y)

[JScript] % returnValue X у;

Description

The modulus operator computes the remainder after dividing the first System.Data.SqlTypes.SqlInt32 the parameter by second. Return Value: A System.Data.SqlTypes.SqlInt32 structure whose System.Data.SqlTypes.SqlInt32.Value contains the remainder. System.Data.SqlTypes.SqlInt32 structure. A System.Data.SqlTypes.SqlInt32 structure.

op Multiply

SqlInt32 [C#] public static operator *(SqlInt32 SqlInt32 X, y); [C++]public: static SqlInt32 op Multiply(SqlInt32 X, SqlInt32 y); [VB] returnValue SqlInt32.op Multiply(x, y) [JScript] returnValue X y;

Description

The multiplication operator computes the product of the two										
System.Data.SqlTypes.SqlInt32 parameters.										
Return Value: A System.Data.SqlTypes.SqlInt32 structure whose										
System.Data.SqlTypes.SqlInt32.Value contains the product of the two										
parameters. A System.Data.SqlTypes.SqlInt32 structure. A										
System.Data.SqlTypes.SqlInt32 structure.										
op_OnesComplement										
[C#] public static SqlInt32 operator ~(SqlInt32 x);										
[C++] public: static SqlInt32 op_OnesComplement(SqlInt32 x);										
[VB] returnValue = SqlInt32.op_OnesComplement(x)										
[JScript] returnValue = ~x;										
Description										
The ~ operator performs a bitwise one's complement operation on its										
System.Data.SqlTypes.SqlInt32 operand. A System.Data.SqlTypes.SqlInt32										
structure.										
op_Subtraction										
[C#] public static SqlInt32 operator -(SqlInt32 x, SqlInt32 y);										
[C++] public: static SqlInt32 op_Subtraction(SqlInt32 x, SqlInt32 y);										
[VB] returnValue = SqlInt32.op_Subtraction(x, y)										
[JScript] returnValue = x - y;										
Description										

lee⊗hayes ptc 509-324-9256 1130 MS1-864US.APP

2

3

4

5

6

7

8

9

10

-11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

The subtraction subtracts the second operator System.Data.SqlTypes.SqlInt32 from the first. parameter System.Data.SqlTypes.SqlInt32 Return Value: structure whose System.Data.SqlTypes.SqlInt32.Value property contains the results of the System.Data.SqlTypes.SqlInt32 structure. subtraction. Α System.Data.SqlTypes.SqlInt32 structure. op UnaryNegation

SqlInt32 public -(SqlInt32 [C#] static operator x); [C++]public: static SqlInt32 op UnaryNegation(SqlInt32 x); returnValue SqlInt32.op UnaryNegation(x) [VB] [JScript] returnValue -X;

Description

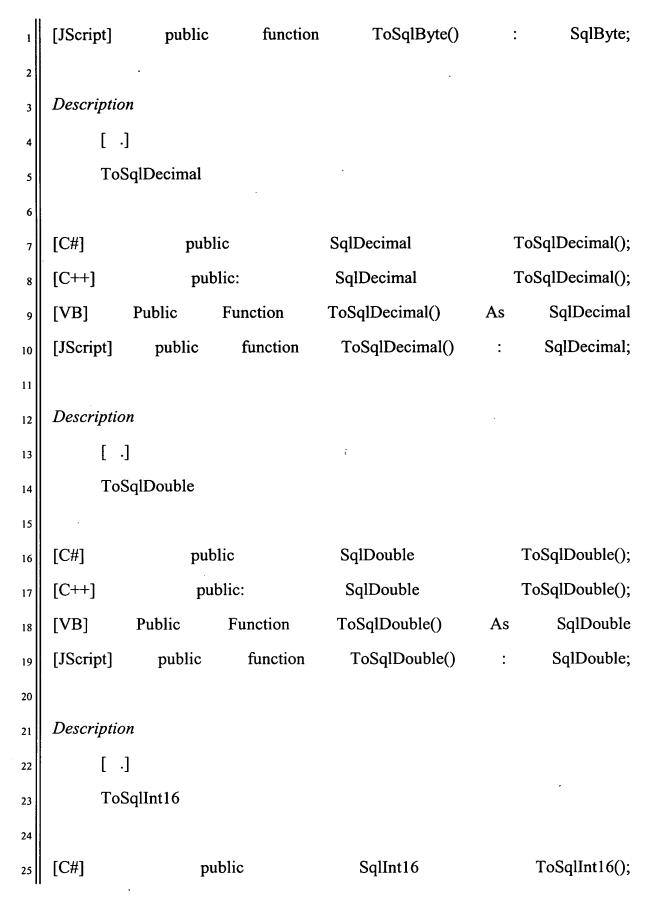
The unary minus operator negates the System.Data.SqlTypes.SqlInt32.Value of the System.Data.SqlTypes.SqlInt32 operand. A System.Data.SqlTypes.SqlInt32 structure.

Parse

SqlInt32 Parse(string public static [C#] s); Parse(String* [C++]public: static SqlInt32 s); [VB] Public Shared Function Parse(ByVal s As String) As SqlInt32 [JScript] public static function Parse(s String) SqlInt32;

Description

1	[][]									
2	Sub	tract								
3										
4	[C#] pu	blic static	SqlInt32	Subtract(SqlInt32	х,	SqlInt32	y);			
5	[C++] p	ublic: stati	SqlInt32	Subtract(SqlInt32 x, SqlInt32						
6	[VB] Public Shared Function Subtract(ByVal x As SqlInt32, ByVal y As									
7	SqlInt32)			As		SqlIn	t32			
8	[JScript] p	oublic static f	unction Subtr	act(x : SqlInt32, y :	SqlIn	t32) : SqlInt	32;			
9										
10	Description									
11	[.]									
12	ToS	qlBoolean								
13				·						
14	[C#]	publi		SqlBoolean	7	ΓοSqlBoolea	n();			
15	[C++]	publ	ic:	SqlBoolean	ToSqlBoolean();					
16	[VB]	Public	Function	ToSqlBoolean()	As	SqlBool	ean			
17	[JScript]	public	function	ToSqlBoolean()	:	SqlBoole	an;			
18			·							
19	Description	n								
20	[.]									
21	ToS	qlByte								
22										
23	[C#]	pul	olic	SqlByte		ToSqlByte	e();			
24	[C++]	pu	blic:	SqlByte		ToSqlByte	e();			
25	[VB]	Public	Function	ToSqlByte()	As	SqlB	yte			



lee@hayes ps: 509-324-9356 1133 MS1-864US.APP

	II	[C++] public:			C = 11 = +1 6		ToCallm+16().						
	1		_		SqlInt16		ToSqlInt16();						
	2	[VB]	Public	Function	ToSqlInt16()	As	SqlInt16						
	3	[JScript]	public	function	ToSqlInt16()	:	SqlInt16;						
	4				·								
	5	Description											
	6	[.]											
	7	ToSqlInt64											
	8	•											
4	9	[C#]	pul	olic	SqlInt64		ToSqlInt64();						
	10	[C++]	рι	ıblic:	SqlInt64		ToSqlInt64();						
	11	[VB]	Public	Function	ToSqlInt64()	As	SqlInt64						
Առոյ տոր տուր կուս կուր հուր կայի կուր Ա	12	[JScript]	public	function	ToSqlInt64()	:	SqlInt64;						
	13												
F. Bin bull	14	Description	n										
- L	15	[.]											
	16	ToSqlMoney											
	· 17		-										
	18	[C#]	pub	lic	SqlMoney	T	oSqlMoney();						
	19	[C++]	pul	olic:	SqlMoney ToSql		oSqlMoney();						
	20	[VB]	Public	Function	ToSqlMoney()	As	SqlMoney						
	21	[JScript]	public	function	ToSqlMoney()	:	SqlMoney;						
	22		_										
	23	Description	n										
		[.]											
	24												
	25	108	SqlSingle										

1				•						
2	[C#]	publ	ic	SqlSingle			ToSqlSi	ingle();	
3	[C++]	pub	olic:	SqlSingle	2	• -	ToSqlSi	ingle();	
4	[VB]	Public	Function	ToSqlSing	(le()	As	Sq	lSing	le	
5	[JScript]	public	function	ToSqlSi	ngle()	:	Sql	Single	e;	
6										
7	Descriptio	on								
8	[.]									
9	ToSqlString									
10										
11	[C#]	pub	lic	SqlString			ToSqlS	tring();	
12	[C++]	pul	olic:	SqlString		ToSqlString(););		
13	·[VB]	Public	Function	ToSqlStrii	ng()	As	Sq	lStrin	ıg .	
14	[JScript]	public	function	ToSqlSt	ring()	:	Sql	String	g;	
15										
16	Descriptio	on								
17	[.]								
18	Tos	String								
19										
20	[C#]	public	over	ride	string	3	ToS	tring();	
21	[C++]	p	ublic:	String	g *		ToS	tring();	
22	[VB]	Overrides	Public I	Function .	ToStrir	ng()	As	Strin	g	
23	[JScript]	public over	rride functio	n ToString(; ()	String;	Conve	erts	a	
24	System.Da	ata.SqlTypes.	SqlInt32 s	tructure to	o a	Syst	em.Strir	ıg		
25										

11	I									
1										
2	Descriptio	on								
3	Coı	nverts a Sy	stem.Dat	ta.SqlTypes	s.SqlInt32 stru	icture to a	System.S	String .		
4	Xoı	r								
5										
6	[C#] p	oublic s	static	SqlInt32	Xor(SqlInt32	2 x,	SqlInt32	2 y);		
7	[C++]	public:	static	SqlInt32	Xor(SqlInt3	2 x,	SqlInt3	2 y);		
8	[VB] Public Shared Function Xor(ByVal x As SqlInt32, ByVal y As SqlInt32) As									
9	SqlInt32									
10	[JScript]	public sta	tic funct	ion Xor(x	: SqlInt32,	y : SqlIr	nt32) : S	qlInt32;		
11										
12	Descriptio	on								
13	[.]								
14	Sql	Int64 struc	ture (Sys	tem.Data.Sq	lTypes)					
15	Xoı	r								
16										
17										
18	 Descriptio	n			·					
19	Rep	oresents a	64-bit si	igned integ	er to be stor	ed in or	retrieved	from a		
20	database.									
21	Xor									
22										
23	[C#]	public	stati	ic rea	idonly	SqlInt64	Ma	xValue;		
24	[C++]	put	olic:	static	Sql	Int64	Ma	xValue;		
25	[VB]	Public	Shared	ReadO	nly Max\	/alue	As S	SqlInt64		
- 11	I									

1	[JScript]	public	static	var	MaxValue	· · :	SqlInt64;			
2										
3	Description	on								
4	Α	constant	representing	g the la	rgest poss	ible val	ue for a			
5	System.D	ata.SqlTyp	es.SqlInt64 s	tructure.						
6	The value of this constant is 2 -1.									
7	Xo	or		·						
8										
9	[C#]	public	static	readonl	y SqlI	nt64	MinValue;			
10	[C++]	publ	ic:	static	SqlInt6	4	MinValue;			
11	[VB]	Public	Shared	ReadOnly	MinValu	e As	SqlInt64			
12	[JScript]	public	static	var	MinValue	:	SqlInt64;			
13										
14	Description	on								
15	A	constant	representing	g the sm	nallest poss	sible va	lue for a			
16	System.D	ata.SqlTyp	es.SqlInt64 s	tructure.						
17	Th	e value of th	is constant is	-2 .	,					
18	Xo	r								
19										
20	[C#]	public	static	read	only	SqlInt64	Null;			
21	[C++]	pul	olic:	static	Sql	Int64	Null;			
22	[VB]	Public	Shared	ReadOnly	/ Null	As	SqlInt64			
23	[JScript]	public	static	var	Null	:	SqlInt64;			
24										
25	Description	on								

Represents a null value that can be assigned to the System.Data.SqlTypes.SqlInt64.Value property of an instance of the System.Data.SqlTypes.SqlInt64 structure.

System.Data.SqlTypes.SqlInt64.Null functions as a constant for the System.Data.SqlTypes.SqlInt64 structure.

Xor

[C#]	public	static	readonly	S	SqlInt64	Zero;
[C++]	public:		static	SqlInt64		Zero;
[VB]	Public	Shared	ReadOnly	Zero	As	SqlInt64
[JScript]	public	static	var	Zero	:	SqlInt64;

Description

Represents a zero value that can be assigned to the System.Data.SqlTypes.SqlInt64.Value property of an instance of the System.Data.SqlTypes.SqlInt64 structure.

The System.Data.SqlTypes.SqlInt64.Zero field is a constant for the System.Data.SqlTypes.SqlInt64 structure.

SqlInt64

Example Syntax:

Xor

[C#]		public	SqlInt	64(long		value);
[C++]		public:	SqlInt6	4(<u>int</u> 64		value);
[VB]	Public	Sub	New(ByVal	value	As	Long)

lee@hayes ps 509-324-9256 1138 MS1-864US.APP

public [JScript] function SqlInt64(value long); 2 Description 3 Initializes a new instance of the System.Data.SqlTypes.SqlInt64 structure 4 using the supplied long integer. A long integer. 5 IsNull 6 Xor 8 [C#] public IsNull {get;} bool 9 public: get IsNull(); [C++]__property bool 10 [VB] **Public** IsNull Boolean ReadOnly . **Property** As 11 function Boolean; [JScript] public IsNull() get 12 13 Description 14 Indicates whether or not System.Data.SqlTypes.SqlInt64.Value is null. 15 Value 16 Xor 17 18 public [C#] Value long {get;} 19 __property [C++] public: get Value(); int64 20 ReadOnly [VB] **Property** Long Public Value As 21 [JScript] public Value() function long; get 22 23 Description 24 25

1	Gets the value of this System.Data.SqlTypes.SqlInt64 structure. This
2	property is read-only.
3	· Add
4	
5	[C#] public static SqlInt64 Add(SqlInt64 x, SqlInt64 y);
6	[C++] public: static SqlInt64 Add(SqlInt64 x, SqlInt64 y);
7	[VB] Public Shared Function Add(ByVal x As SqlInt64, ByVal y As SqlInt64) As
8	SqlInt64
9	[JScript] public static function Add(x : SqlInt64, y : SqlInt64) : SqlInt64;
10	
11	Description
12	[.]
13	BitwiseAnd
14	
15	[C#] public static SqlInt64 BitwiseAnd(SqlInt64 x, SqlInt64 y);
16	[C++] public: static SqlInt64 BitwiseAnd(SqlInt64 x, SqlInt64 y);
17	[VB] Public Shared Function BitwiseAnd(ByVal x As SqlInt64, ByVal y As
18	SqlInt64) As SqlInt64
19	[JScript] public static function BitwiseAnd(x : SqlInt64, y : SqlInt64) : SqlInt64;
20	·
21	Description
22	[.]
23	BitwiseOr
24	
25	[C#] public static SqlInt64 BitwiseOr(SqlInt64 x, SqlInt64 y);

lee@hayes ptc 509-124-926 1140 MS1-864US.APP

[C++]	public:	static	SqlInt64	BitwiseOr(SqlIn	nt64 x,	SqlInt64	y);
[VB] P	ublic Sh	ared Fun	ction Bitwi	seOr(ByVal x A	s SqlInt64	4, ByVal y	As
SqlInt64	!)			As		SqlI	nt64
[JScript]	public :	static fund	ction Bitwis	eOr(x : SqlInt64	, y : SqlIn	t64) : SqlIr	ıt64;
Descrip	tion						
. [.]						
C	CompareT	Co Co					
[C#]	p	ublic	int	Compare	Γo(object	va	lue);
[C++]	publ	ic:	_sealed	int Compa	ıreTo(Obje	ct* va	lue);
[VB] N	otOverrio	dable Pub	lic Function	n CompareTo(By	Val value	As Object)) As
Integer							
[JScript]] publ	ic fun	ction Co	mpareTo(value	: Obj	ect) :	int;
Descrip	tion			•			
C	Compares	this insta	nce to the s	supplied object as	nd returns	an indicatio	n of
their			rel	ative		val	lues.
Return 1	Value: A	signed nu	ımber indica	ating the relative	values of	the instance	and
the object	ct. The ol	bject to be	compared.				
D	Divide						
[C#]	public	static	SqlInt64	Divide(SqlInt6	4 x,	SqlInt64	y);
[C++]	public:	static	SqlInt64	Divide(SqlInt	64 x,	SqlInt64	y);
[VB] Pu	ıblic Sha	red Functi	on Divide(H	ByVal x As SqlIn	t64, ByVa	l y As SqlIn	it64)

1	As SqlInt64
2	[JScript] public static function Divide(x : SqlInt64, y : SqlInt64) : SqlInt64;
3	
4	Description
5	[]
6	Equals
7	
8	[C#] public override bool Equals(object value);
9	[C++] public: bool Equals(Object* value);
· 10	[VB] Overrides Public Function Equals(ByVal value As Object) As Boolean
11	[JScript] public override function Equals(value : Object) : Boolean;
12	
13	Description
14	Compares the supplied object parameter to the
15	System.Data.SqlTypes.SqlInt64.Value property of the
16	System.Data.SqlTypes.SqlInt64 object.
17	Return Value: true if object is an instance of System.Data.SqlTypes.SqlInt64
18	and the two are equal; otherwise false. The object to be compared.
19	Equals
20	
21	[C#] public static new SqlBoolean Equals(SqlInt64 x, SqlInt64 y);
22	[C++] public: static SqlBoolean Equals(SqlInt64 x, SqlInt64 y);
23	[VB] Shadows Public Shared Function Equals(ByVal x As SqlInt64, ByVal y As
24	SqlInt64) As SqlBoolean
25	[JScript] public static hide function Equals(x : SqlInt64, y : SqlInt64) :

```
SqlBoolean;
2
    Description
3
          [ . ]
          GetHashCode
5
6
                                  override
                                                                 GetHashCode();
                                                    int
    [C#]
                  public
                         public:
                                                                 GetHashCode();
                                               int
    [C++]
    [VB]
                          Public
                                                GetHashCode()
             Overrides
                                    Function
                                                                   As
                                                                          Integer
                public
    [JScript]
                           override
                                        function
                                                    GetHashCode()
                                                                             int;
10
11
    Description
12
          Returns
                       the
                                hash
                                           code
                                                      for
                                                              this
                                                                        instance.
13
    Return Value: A 32-bit signed integer hash code.
14
          GreaterThan
15
16
          public static
                          SqlBoolean GreaterThan(SqlInt64 x,
                                                                   SqlInt64
    [C#]
17
    [C++] public: static SqlBoolean GreaterThan(SqlInt64 x,
                                                                   SqlInt64 y);
18
    [VB] Public Shared Function GreaterThan(ByVal x As SqlInt64, ByVal y As
19
                                                                     SqlBoolean
    SqlInt64)
                                        As
20
    [JScript] public static function GreaterThan(x : SqlInt64, y : SqlInt64) :
21
    SqlBoolean;
22
23
   Description
24
          [.]
25
```

3

5

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

GreaterThanOrEqual

[C#] public s	static SqlBoolean Great	terThanOrEqual(SqlIr	nt64 x, SqlInt64 y)
[C++] public:	static SqlBoolean Grea	aterThanOrEqual(Sqll	Int64 x, SqlInt64 y)
[VB] Public Sl	nared Function GreaterTl	hanOrEqual(ByVal x	As SqlInt64, ByVal y
As	SqlInt64)	As	SqlBoolear
[JScript] publi	c static function Greater	ThanOrEqual(x : Sql	Int64, y : SqlInt64)
SqlBoolean;			

Description

[.]

LessThan

SqlBoolean LessThan(SqlInt64 public static SqlInt64 [C#] x, y); [C++] public: SqlBoolean LessThan(SqlInt64 static SqlInt64 X, y); [VB] Public Shared Function LessThan(ByVal x As SqlInt64, ByVal y As SqlInt64) SqlBoolean As [JScript] public static function LessThan(x : SqlInt64, y : SqlInt64) : SqlBoolean;

Description

[.]

LessThanOrEqual

[C#] public static SqlBoolean LessThanOrEqual(SqlInt64 x, SqlInt64 y); [C++] public: static SqlBoolean LessThanOrEqual(SqlInt64 x, SqlInt64 y);

1	[VB] Public Shared Function LessThanOrEqual(ByVal x As SqlInt64, ByVal y As
2	SqlInt64) As SqlBoolean
3	[JScript] public static function LessThanOrEqual(x : SqlInt64, y : SqlInt64) :
4	SqlBoolean;
5	
6	Description
7	[]
8	Mod
9	
10	[C#] public static SqlInt64 Mod(SqlInt64 x, SqlInt64 y);
11	[C++] public: static SqlInt64 Mod(SqlInt64 x, SqlInt64 y);
12	[VB] Public Shared Function Mod(ByVal x As SqlInt64, ByVal y As SqlInt64) As
13	SqlInt64
14	[JScript] public static function Mod(x : SqlInt64, y : SqlInt64) : SqlInt64;
15	
16	Description
17	[.]
18	Multiply
19	
20	[C#] public static SqlInt64 Multiply(SqlInt64 x, SqlInt64 y);
21	[C++] public: static SqlInt64 Multiply(SqlInt64 x, SqlInt64 y);
22	[VB] Public Shared Function Multiply(ByVal x As SqlInt64, ByVal y As
23	SqlInt64) As SqlInt64
24	[JScript] public static function Multiply(x : SqlInt64, y : SqlInt64) : SqlInt64;
25	·

1	
2	Description
3	[.]
4	NotEquals
5	
6	[C#] public static SqlBoolean NotEquals(SqlInt64 x, SqlInt64 y);
7	[C++] public: static SqlBoolean NotEquals(SqlInt64 x, SqlInt64 y);
8	[VB] Public Shared Function NotEquals(ByVal x As SqlInt64, ByVal y As
9	SqlInt64) As SqlBoolean
10	[JScript] public static function NotEquals(x : SqlInt64, y : SqlInt64) : SqlBoolean;
11	
12	Description
13	[.]
14	OnesComplement
15	
16	[C#] public static SqlInt64 OnesComplement(SqlInt64 x);
17	[C++] public: static SqlInt64 OnesComplement(SqlInt64 x);
18	[VB] Public Shared Function OnesComplement(ByVal x As SqlInt64) As
19	SqlInt64
20	[JScript] public static function OnesComplement(x : SqlInt64) : SqlInt64;
21	
22	Description
23	[.]
24	op_Addition
25	

[C#]	public	static	SqlInt64	operator	+(SqlInt64	х,	SqlInt64	y);
[C++]	public:	static	SqlInt64	op_Addi	tion(SqlInt64	х,	SqlInt64	y);
[VB]	re	turnValu	ie =	= (SqlInt64.op_A	dditic	on(x,	y)
[JScrip	t]	returi	nValue	=	x		+	y;

Description

2

3

5

6

7

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

The addition of operator computes the sum System.Data.SqlTypes.SqlInt64 parameters. Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose System.Data.SqlTypes.SqlInt64.Value is equal to the sum of the two System.Data.SqlTypes.SqlInt64 parameters. A System.Data.SqlTypes.SqlInt64 structure. A System.Data.SqlTypes.SqlInt64 structure.

op BitwiseAnd

```
[C#]
      public
               static
                       SqlInt64
                                  operator
                                             &(SqlInt64
                                                               SqlInt64
                                                          X,
                                                                         y);
[C++] public: static SqlInt64 op BitwiseAnd(SqlInt64 x, SqlInt64
                                                                         y);
            returnValue
[VB]
                                         SqlInt64.op BitwiseAnd(x,
                                                                          y)
[JScript]
                  returnValue
                                                              &
                                                   X
                                                                          y;
```

Description

Computes the bitwise AND of its System.Data.SqlTypes.SqlInt64 System.Data.SqlTypes.SqlInt64 Α operands. structure. System.Data.SqlTypes.SqlInt64 structure.

op BitwiseOr

the

two

[C#]	public	static	SqlInt64	operator	(SqlInt64	х,	SqlInt64	y);
[C++]	public:	static	SqlInt64	op_Bitwis	eOr(SqlInt64	x,	SqlInt64	y);
[VB]	re	turnValu	e =	Sq	lInt64.op_Bit	wise(Or(x,	y)
[JScrip	t]	retur	nValue	=	x		1	у;

Description

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Computes the bitwise OR of its two System.Data.SqlTypes.SqlInt64 operands. A System.Data.SqlTypes.SqlInt64 structure. A System.Data.SqlTypes.SqlInt64 structure.

op_Division

```
public
                static
                        SqlInt64
                                   operator
                                              /(SqlInt64
                                                                SqlInt64
[C#]
                                                           X,
                                                                           y);
                         SqlInt64
                                    op Division(SqlInt64
[C++]
        public:
                 static
                                                                SqlInt64
                                                                           y);
                                            SqlInt64.op_Division(x,
             returnValue
[VB]
                                                                           y)
[JScript]
                  returnValue
                                                                /
                                                    X
                                                                            у;
```

Description

The division operator divides the first System.Data.SqlTypes.SqlInt64

parameter by the second.

Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose

System.Data.SqlTypes.SqlInt64.Value property contains the results of the division operation. A System.Data.SqlTypes.SqlInt64 structure. A

System.Data.SqlTypes.SqlInt64 structure.

op Equality

[C#]	public	static	SqlBoolean	operator	==(SqlInt64	х,	SqlInt64	y);
[C++]	public	: static	: SqlBoolear	n op_Equ	ality(SqlInt64	x,	SqlInt64	y);
[VB]	1	returnVa	ılue =	=	SqlInt64.op_Eq	ualit	y(x,	y)
[JScrip	ot]	retu	rnValue	=	X	=	==	y;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Performs a logical comparison of the two System.Data.SqlTypes.SqlInt64 if determine they equal. parameters are to Return Value: Α System.Data.SqlTypes.SqlBoolean that is System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If either System.Data.SqlTypes.SqlInt64 is null, the instance of System.Data.SqlTypes.SqlBoolean.Value of the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt64 structure. A System.Data.SqlTypes.SqlInt64 structure.

op_ExclusiveOr

```
SqlInt64
                         SqlInt64
                                                ^(SqlInt64
[C#]
       public
                 static
                                     operator
                                                              X,
                                                                              y);
[C++] public: static
                                    op ExclusiveOr(SqlInt64 x,
                         SqlInt64
                                                                              y);
             returnValue
                                           SqlInt64.op ExclusiveOr(x,
[VB]
                                                                               y)
[JScript]
                   returnValue
                                                       \mathbf{x}
                                                                               у;
```

Description

3

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Performs a bitwise exclusive-OR operation on the supplied parameters. A System.Data.SqlTypes.SqlInt64 structure. A System.Data.SqlTypes.SqlInt64 structure. op Explicit [C#] public explicit operator SqlInt64(SqlBoolean static x); [C++]public: SqlInt64 op Explicit(SqlBoolean static x); SqlInt64.op Explicit(x) [VB] returnValue SqlInt64(x);[JScript] returnValue Description the supplied System.Data.SqlTypes.SqlBit parameter to Converts System.Data.SqlTypes.SqlInt64 Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose System.Data.SqlTypes.SqlInt64.Value property is equal the to System.Data.SqlTypes.SqlBit.ByteValue of the System.Data.SqlTypes.SqlBit parameter. The System.Data.SqlTypes.SqlBit structure to be converted. op Explicit public explicit operator SqlInt64(SqlDecimal [C#] static x); [C++]public: static SqlInt64 op Explicit(SqlDecimal x); SqlInt64.op Explicit(x) [VB] returnValue SqlInt64(x);[JScript] returnValue

1150

Description

1	Converts the supplied System.Data.SqlTypes.SqlDecimal parameter to
2	System.Data.SqlTypes.SqlInt64
3	Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose
4	System.Data.SqlTypes.SqlInt64.Value is equal to the integer portion of the
5	System.Data.SqlTypes.SqlDecimal parameter. The
6	System.Data.SqlTypes.SqlDecimal structure to be converted.
7	op_Explicit
8	
9	[C#] public static explicit operator SqlInt64(SqlDouble x);
c 10	[C++] public: static SqlInt64 op_Explicit(SqlDouble x);
11	[VB] returnValue = SqlInt64.op_Explicit(x)
12	[JScript] returnValue = SqlInt64(x);
13	
14	Description
15	Converts the supplied System.Data.SqlTypes.SqlDouble structure to
16	System.Data.SqlTypes.SqlInt64
17	Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose
18	System.Data.SqlTypes.SqlInt64.Value property equals the integer portion of the
19	System.Data.SqlTypes.SqlDouble parameter. The
20	System.Data.SqlTypes.SqlDouble structure to be converted.
21	op_Explicit
22	
23	[C#] public static explicit operator long(SqlInt64 x);
24	[C++] public: staticint64 op_Explicit();
25	[VB] returnValue = SqlInt64.op_Explicit(x)

lee⊗hayes № 509-324-926 1151 MS1-864US.APP

[JScript] returnValue Int64(x);2 Description 3 Converts the System.Data.SqlTypes.SqlInt64 parameter long. 4 Return Value: Α new long value equal the to 5 System.Data.SqlTypes.SqlInt64.Value of the System.Data.SqlTypes.SqlInt64. 6 A System.Data.SqlTypes.SqlInt64 structure. 7 op Explicit 8 9 [C#] public static explicit operator SqlInt64(SqlMoney x); 10 [C++] SqlInt64 public: static op Explicit(SqlMoney x); 11 [VB] returnValue SqlInt64.op Explicit(x) 12 [JScript] returnValue SqlInt64(x);13 14 Description 15 Converts the supplied System.Data.SqlTypes.SqlMoney parameter to 16 System.Data.SqlTypes.SqlInt64 . The System.Data.SqlTypes.SqlMoney 17 structure to be converted. 18 op Explicit 19 20 [C#] public explicit SqlInt64(SqlSingle static operator x); 21 [C++]public: static SqlInt64 op Explicit(SqlSingle x); 22 [VB] SqlInt64.op Explicit(x) returnValue 23 [JScript] returnValue SqlInt64(x);24 25

1	
2	Description
3	Converts the supplied System.Data.SqlTypes.SqlSingle parameter to
4	SqlInt64.
5	Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose
6	System.Data.SqlTypes.SqlInt64.Value property contains the integer portion of
7	the System.Data.SqlTypes.SqlSingle parameter. The
8	System.Data.SqlTypes.SqlSingle structure to be converted.
9	op_Explicit
10	
11	[C#] public static explicit operator SqlInt64(SqlString x);
12	[C++] public: static SqlInt64 op_Explicit(SqlString x);
13	[VB] returnValue = SqlInt64.op_Explicit(x)
14	[JScript] returnValue = SqlInt64(x);
15	
16	Description
17	Converts the supplied System.Data.SqlTypes.SqlString parameter to
18	System.Data.SqlTypes.SqlInt64
19	Return Value: A new System.Data.SqlTypes.SqlInt64 whose
20	System.Data.SqlTypes.SqlInt64.Value is equal to the value represented by the
21	System.Data.SqlTypes.SqlString parameter. The
22	System.Data.SqlTypes.SqlString object to be converted.
23	op_GreaterThan
24	
25	[C#] public static SqlBoolean operator >(SqlInt64 x, SqlInt64 y);

[C++] public: static SqlBoolean op_GreaterThan(SqlInt64 x, SqlInt64 y); [VB] returnValue = SqlInt64.op_GreaterThan(x, y) [JScript] returnValue = x > y;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Performs a logical comparison of the two System.Data.SqlTypes.SqlInt64 determine if the first is to greater than the second. System.Data.SqlTypes.SqlBoolean Return Value: Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either System.Data.SqlTypes.SqlInt64 instance of is null, the System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt64 structure. A System.Data.SqlTypes.SqlInt64 structure.

 $op_GreaterThanOrEqual$

[C#] public static SqlBoolean operator >=(SqlInt64 x, SqlInt64 y);
[C++] public: static SqlBoolean op_GreaterThanOrEqual(SqlInt64 x, SqlInt64 y);
[VB] returnValue = SqlInt64.op_GreaterThanOrEqual(x, y)
[JScript] returnValue = x >= y;

Description

Performs a logical comparison of the two System.Data.SqlTypes.SqlInt64 parameters to determine if the first is greater than or equal to the second.

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

		•					
Return	. Valı	ue: A	System.l	Data.SqlTypes.	SqlBoolean	that	is
Systen	n.Data.So	qlTypes.S	qlBoolean.Tr	ue if the first i	instance is	greaater tha	an or
equal t	to the sec	ond instar	nce, otherwise	System.Data.S	SqlTypes.So	qlBoolean.]	False
. If	either	instance	of System	.Data.SqlTypes	s.SqlInt64	is null,	the
Systen	n.Data.So	qlTypes.S	qlBoolean.Va	lue	of		the
Systen	n.Data.So	qlTypes.S	qlBoolean		will		be
Systen	n.Data.So	qlTypes.S	qlBoolean.Nu	ıll . A Syste	m.Data.Sql	Types.Sqll	nt64
structu	structure. A System.Data.SqlTypes.SqlInt64 structure.						
	op_Impli	cit					
[C#]	public	stat	ic implic	it operator	SqlInt	64(long	x);

```
 [C\#] \quad \text{public} \quad \text{static} \quad \text{implicit} \quad \text{operator} \quad \text{SqlInt64(long} \quad x);   [C++] \quad \text{public:} \quad \text{static} \quad \text{SqlInt64} \quad \text{op\_Implicit(\_int64} \quad x);   [VB] \quad \text{returnValue} \quad = \quad \quad \text{SqlInt64.op\_Implicit(x)}   [JScript] \quad \text{returnValue} \quad = \quad \quad x;
```

Description

Converts the long parameter to **System.Data.SqlTypes.SqlInt64**.

Return Value: A new **System.Data.SqlTypes.SqlInt64** structure whose **System.Data.SqlTypes.SqlInt64.Value** equals the value of the long parameter. A long integer value.

op_Implicit

[C#] public implicit SqlInt64(SqlByte static operator x); SqlInt64 op_Implicit(SqlByte [C++]public: static x); SqlInt64.op Implicit(x) [VB] returnValue

ee⊗hayes ≠ 509-324-9256 1155 MS1-864US.APP

1	[JScript] returnValue = x;
2	
3	Description
4	Converts the supplied System.Data.SqlTypes.SqlByte parameter to
5	System.Data.SqlTypes.SqlInt64
6	Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose
7	System.Data.SqlTypes.SqlInt64.Value property equals the
8	System.Data.SqlTypes.SqlByte.Value property of the
9	System.Data.SqlTypes.SqlByte parameter. The System.Data.SqlTypes.SqlByte
10	structure to be converted.
11	op_Implicit
12	
13	[C#] public static implicit operator SqlInt64(SqlInt16 x);
14	[C++] public: static SqlInt64 op_Implicit(SqlInt16 x);
15	[VB] returnValue = SqlInt64.op_Implicit(x)
16	[JScript] returnValue = x;
17	
18	Description
19	Converts the supplied System.Data.SqlTypes.SqlInt16 parameter to
20	System.Data.SqlTypes.SqlInt64
21	Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose
22	System.Data.SqlTypes.SqlInt64.Value property equals the
23	System.Data.SqlTypes.SqlInt16.Value property of the
24	System.Data.SqlTypes.SqlInt16 parameter. The
25	System.Data.SqlTypes.SqlInt16 structure to be converted.

op Implicit 1 2 public static implicit SqlInt64(SqlInt32 [C#] operator x); 3 [C++]public: SqlInt64 op Implicit(SqlInt32 static x); 4 SqlInt64.op Implicit(x) [VB] returnValue 5 [JScript] returnValue x; 6 7 Description 8 Converts the supplied System.Data.SqlTypes.SqlInt32 parameter to 9 System.Data.SqlTypes.SqlInt64 10 Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose 11 System.Data.SqlTypes.SqlInt64.Value property equals the 12 System.Data.SqlTypes.SqlInt32.Value of the property 13 System.Data.SqlTypes.SqlInt32 parameter. The 14 System.Data.SqlTypes.SqlInt32 structure to be converted. 15 op Inequality 16 17 public static SqlBoolean operator !=(SqlInt64 [C#] X, SqlInt64 y); 18 [C++] public: static SqlBoolean op_Inequality(SqlInt64 x, SqlInt64 y); 19 returnValue [VB] SqlInt64.op Inequality(x, 20 y) [JScript] returnValue х != 21 у; 22 Description 23 Performs a logical comparison on the two SqlInt64 parameters to determine 24 if they are equal. 25

3

4

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Return System.Data.SqlTypes.SqlBoolean Value: Α that is System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either of System.Data.SqlTypes.SqlInt64 instance is null, the System.Data.SqlTypes.SqlBoolean.Value of the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt64 structure. A System.Data.SqlTypes.SqlInt64 structure.

op LessThan

[C#] public static SqlBoolean operator
[C++] public: static SqlBoolean op_LessThan(SqlInt64 x, SqlInt64 y);
[VB] returnValue = SqlInt64.op_LessThan(x, y)
[JScript] returnValue = x < y;

Description

Performs a logical comparison on the two System.Data.SqlTypes.SqlInt64 parameters to determine if the first is less than the second. System.Data.SqlTypes.SqlBoolean Return Value: Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either of System.Data.SqlTypes.SqlInt64 null, the instance is System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt64 structure. A System.Data.SqlTypes.SqlInt64 structure.

op_LessThanOrEqual

[C#] public static SqlBoolean operator <=(SqlInt64 x, SqlInt64 y);
[C++] public: static SqlBoolean op_LessThanOrEqual(SqlInt64 x, SqlInt64 y);
[VB] returnValue = SqlInt64.op_LessThanOrEqual(x, y)
[JScript] returnValue = x <= y;

Description

Performs a logical comparison on the two System.Data.SqlTypes.SqlInt64 parameters to determine if the first is less than or equal to the second. Return Value: Α System.Data.SqlTypes.SqlBoolean that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either of System.Data.SqlTypes.SqlInt64 the instance null, System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlInt64 structure. A System.Data.SqlTypes.SqlInt64 structure.

op_Modulus

public SqlInt64 %(SqlInt64 SqlInt64 [C#] static operator х, y); op Modulus(SqlInt64 [C++]public: static SqlInt64 SalInt64 X, y); [VB] returnValue SqlInt64.op Modulus(x, y) =

lee@hayes.px 509-324-936 1159 MS1-864US.APP

[JScript] returnValue = x % y;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

The modulus operator computes the remainder after dividing the first System.Data.SqlTypes.SqlInt64 parameter by the second. Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose System.Data.SqlTypes.SqlInt64.Value property contains the remainder. A System.Data.SqlTypes.SqlInt64 structure. A System.Data.SqlTypes.SqlInt64 structure.

op_Multiply

[C#] public static SqlInt64 operator *(SqlInt64 SqlInt64 X, y); [C++] public: static SqlInt64 op Multiply(SqlInt64 SqlInt64 X, y); SqlInt64.op Multiply(x, [VB] returnValue y) [JScript] returnValue \mathbf{X} y;

Description

The multiplication operator computes the product of the two System.Data.SqlTypes.SqlInt64 parameters.

Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose System.Data.SqlTypes.SqlInt64.Value is equal to the product of the two System.Data.SqlTypes.SqlInt64 parameters. A System.Data.SqlTypes.SqlInt64 structure. A System.Data.SqlTypes.SqlInt64 structure.

 $op_OnesComplement$

[C#]	public	static	SqlInt64	operator	~(SqlInt64	x);
[C++]	public:	static	SqlInt64	op_OnesCompl	ement(SqlInt64	x);
[VB]	retu	mValue	=	SqlInt64.o _j	o_OnesCompleme	nt(x)
[JScript]		re	turnValue	=	:	~x;

Description

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

22

23

24

25

The ~ operator performs a bitwise one's complement operation on its System.Data.SqlTypes.SqlInt64 operand.

Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose System.Data.SqlTypes.SqlInt64.Value is equal to the ones compliment of the System.Data.SqlTypes.SqlInt64 parameter. A System.Data.SqlTypes.SqlInt64 structure.

op_Subtraction

```
SqlInt64
                                    operator
                                               -(SqlInt64
[C#]
       public
                static
                                                                 SqlInt64
                                                            X,
                                                                             y);
[C++]
        public:
                 static
                         SqlInt64
                                    op Subtraction(SqlInt64 x, SqlInt64
                                                                             y);
[VB]
             returnValue
                                           SqlInt64.op Subtraction(x,
                                                                             y)
[JScript]
                   returnValue
                                                      Х
                                                                              у;
```

21 Description

The subtraction operator subtracts the second System.Data.SqlTypes.SqlInt64 parameter from the first.

Return Value: A new System.Data.SqlTypes.SqlInt64 structure whose System.Data.SqlTypes.SqlInt64.Value property equals the results of the

lee@hayes pt 509-124-9256 1161 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Description

subtraction operation. A System.Data.SqlTypes.SqlInt64 structure. Α System.Data.SqlTypes.SqlInt64 structure. op_UnaryNegation [C#] public static SqlInt64 operator -(SqlInt64 x); public: SqlInt64 op UnaryNegation(SqlInt64 [C++] static x); SqlInt64.op UnaryNegation(x) [VB] returnValue [JScript] returnValue -x; Description The unary minus operator negates the System.Data.SqlTypes.SqlInt64.Value of the System.Data.SqlTypes.SqlInt64 operand. Return Value: System.Data.SqlTypes.SqlInt64 structure whose System.Data.SqlTypes.SqlInt64.Value is equal the to negated System.Data.SqlTypes.SqlInt64.Value of the System.Data.SqlTypes.SqlInt64 parameter. A System.Data.SqlTypes.SqlInt64 structure. Parse public SqlInt64 Parse(string [C#] static s); [C++]public: static SqlInt64 Parse(String* s); [VB] Public Shared Function Parse(ByVal s As String) As SqlInt64 [JScript] public static function Parse(s String) SqlInt64;

lee@hayes pt 509-324-9256 1162 MS1-864US.APP

1	[.][.]					
2	Sul	otract					
3							
4	[C#] p	ublic static	SqlInt64	Subtract(SqlInt64	х,	SqlInt64	y);
5	[C++] ₁	public: station	SqlInt64	Subtract(SqlInt64	х,	SqlInt64	y);
6	[VB] Pub	olic Shared F	unction Subt	ract(ByVal x As Se	qlInt64	i, ByVal y	As
7	SqlInt64)			As		SqlI	nt64
8	[JScript]	public static fi	unction Subtr	act(x : SqlInt64, y :	SqlIn	it64) : SqlIn	t64;
9							
10	Description	n					
11	[-]					
12	Tos	SqlBoolean				,	
13							
14	[C#]	public	;	SqlBoolean	,	ToSqlBoolea	ın();
15	[C++]	publi	c:	SqlBoolean	,	ToSqlBoolea	ın();
16	[VB]	Public I	Function	ToSqlBoolean()	As	SqlBoo	lean
17	[JScript]	public	function	ToSqlBoolean()	:	SqlBool	ean;
18							
19	Description						
20	[.]						
21	ToS	SqlByte					
22							
	[C#]	pub	lic	SqlByte		ToSqlBy	te();
23	_	_		0.15		m 0 15	. ^
23	[C++] [VB]	_	blic: Function	SqlByte ToSqlByte()	As	ToSqlBy s SqlI	

lee@hayes № 509-124-9256 1163 MS1-864US.APP

1	[JScript]	public	function	ToSqlByte()	:	SqlByte;
2						
3	Description	on				
4	[.]				
5	To	SqlDecimal				
6						
7	[C#]	pub	lic	SqlDecimal	Т	oSqlDecimal();
8	[C++]	pul	olic:	SqlDecimal	Т	oSqlDecimal();
9	[VB]	Public	Function	ToSqlDecimal()	As	SqlDecimal
10	[JScript]	public	function	ToSqlDecimal()	:	SqlDecimal;
11						
12	Description	on				
13] []				
14	To	SqlDouble				
15						
16	[C#]	pub	olic	SqlDouble	,	ToSqlDouble();
17	[C++]	pu	blic:	SqlDouble	,	ToSqlDouble();
18	[VB]	Public	Function	ToSqlDouble()	As	SqlDouble
19	[JScript]	public	function	ToSqlDouble()	:	SqlDouble;
20						
21	Description	on				
22	[.]				
23	To	SqlInt16				
24						
25	[C#]	рі	ıblic	SqlInt16		ToSqlInt16();

	1	[C++]	рı	ublic:	SqlInt16	,	ToSqlInt16();			
	2	[VB]	Public	Function	ToSqlInt16()	Aș	SqlInt16			
	3	[JScript]	public	function	ToSqlInt16()	:	SqlInt16;			
	4									
	5	Descriptio	n		·					
	6	[]								
	7	ToS	sqlInt32							
	8									
iT	9	[C#]	pu	blic	SqlInt32		ToSqlInt32();			
	10	[C++]	pı	ublic:	SqlInt32	•	ToSqlInt32();			
	11	[VB]	Public	Function	ToSqlInt32()	As	SqlInt32			
III In	12	[JScript]	public	function	ToSqlInt32()	:	SqlInt32;			
#!	13									
	14	Description								
	15	[]	I							
	16	ToS	lqlMoney			·				
	17									
	18	[C#]	pub	lic	SqlMoney	To	oSqlMoney();			
	19	[C++]	pul	blic:	SqlMoney	To	oSqlMoney();			
	20	[VB]	Public	Function	ToSqlMoney()	As	SqlMoney			
	21	[JScript]	public	function	ToSqlMoney()	:	SqlMoney;			
	22									
	23	Description	n							
	24	[.]								
	25	ToS	lqlSingle							

	1										
	2	[C#]	pub	lic	SqlSingle			ToSqlSi	ngle();		
	3	[C++]	pul	olic:	SqlSin	gle		ToSqlSi	ngle();		
•	4	[VB]	Public	Function	ToSqlSi	ngle()	As	Sql	Single		
	5	[JScript]	public	function	ToSql	Single()	:	Sql	Single;		
	6										
	7	Description	n								
	8	[.]								
	9	ToSqlString									
<u>ق</u> ق	10										
	11	[C#]	C#] public			ng		ToSqlSt	ring();		
n n	12	[C++]	public:		SqlStr	SqlString		ToSqlString();			
	13	[VB]	Public	Function	ToSqlSt	tring()	As	Sq	String		
	14	[JScript]	public	function	ToSql	String()	:	Sql	String;		
	15										
≟ ≟	16	Description									
	17	[.]									
	18	Tos	String								
	19										
	20	[C#]	public	ove	rride	string	g	ToSt	ring();		
	21	[C++]	r	oublic:	Str	ing*		ToSt	ring();		
	22	[VB]	Overrides	Public	Function	ToStri	ng()	As	String		
	23	[JScript]	public ove	rride functi	on ToStrir	ng() :	String;	Conve	rts a		
	24	System.D	ata.SqlTypes.	SqlInt64	structure	to	Syste	m.String	•		
•	25										

25

Description 2 System.Data.SqlTypes.SqlInt64 Converts this instance of to 3 System.String. 4 Xor 5 6 Xor(SqlInt64 SqlInt64 public SqlInt64 [C#] static x, y); 7 Xor(SqlInt64 SqlInt64 SqlInt64 [C++]public: static X, y); 8 [VB] Public Shared Function Xor(ByVal x As SqlInt64, ByVal y As SqlInt64) As 9 SqlInt64 10 [JScript] public static function Xor(x : SqlInt64, y : SqlInt64) : SqlInt64; 11 12 Description 13 [.] 14 SqlMoney structure (System.Data.SqlTypes) 15 Xor 16 17 18 Description 19 ranging from -2 Represents value (or a currency 20 922,337,203,685,477.5808) to 2 -1 (or +922,337,203,685,477.5807) with an 21 accuracy to a ten-thousandth of currency unit to be stored in or retrieved from a 22 database. 23 The actual value of the System.Data.SqlTypes.SqlMoney object is stored

1167 lee@hayes ≠ \$09-324-9256

MS1-864US.APP

in System.Data.SqlTypes.SqlMoney.Value.

Xor

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

readonly SqlMoney MaxValue; [C#] public static public: static SqlMoney MaxValue; [C++] ReadOnly Public Shared [VB] MaxValue SqlMoney As [JScript] public static var MaxValue SqlMoney;

Description

Represents the maximum value that can be assigned to the System.Data.SqlTypes.SqlMoney.Value property of an instance of the System.Data.SqlTypes.SqlMoney class.

The value of this constant is 922,337,203,685,475.5807 Represents the maximum value that can be assigned to the System.Data.SqlTypes.SqlMoney.Value property of an instance of the System.Data.SqlTypes.SqlMoney class.

Xor

public readonly SqlMoney MinValue; [C#] static [C++]public: static SqlMoney MinValue; Shared [VB] Public ReadOnly MinValue SqlMoney As MinValue SqlMoney; [JScript] public static var

Description

24

1168 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Represents the minimum value that can be assigned to System.Data.SqlTypes.SqlMoney.Value property of an instance of the System.Data.SqlTypes.SqlMoney class.

The value of this constant is -922,337,203,685,477.5808 Represents the minimum value that can be assigned to **System.Data.SqlTypes.SqlMoney.Value** property of an instance of the **System.Data.SqlTypes.SqlMoney** class.

Xor

[C#] public static readonly SqlMoney Null: [C++]public: static SqlMoney Null; **Public** [VB] Shared ReadOnly Null SqlMoney As [JScript] public Null static SqlMoney; var

Description

Represents a null value that can be assigned to the System.Data.SqlTypes.SqlMoney.Value property of an instance of the System.Data.SqlTypes.SqlMoney class.

System.Data.SqlTypes.SqlMoney.Null functions as a constant for the System.Data.SqlTypes.SqlMoney class.

Xor

[C#] public static readonly SqlMoney Zero; SqlMoney [C++]public: static Zero; [VB] **Public** Shared ReadOnly Zero As SqlMoney [JScript] public static var Zero SqlMoney;

lee@hayes øx 509-324-9256 1169 MS1-864US.APP

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Represents the zero value that can be assigned to the System.Data.SqlTypes.SqlMoney.Value property of an instance of the System.Data.SqlTypes.SqlMoney class.

System.Data.SqlTypes.SqlMoney.Zero functions as a constant for the System.Data.SqlTypes.SqlMoney class.

SqlMoney

Example Syntax:

Xor

[C#] public SqlMoney(decimal value); [C++]public: SqlMoney(Decimal value); [VB] **Public** Sub New(ByVal value As Decimal) SqlMoney(value Decimal); [JScript] public function

Description

Initializes a new instance of the **System.Data.SqlTypes.SqlMoney** class with the value given. The monetary value to initialize.

SqlMoney

Example Syntax:

Xor

[C#] public SqlMoney(double value); [C++] public: SqlMoney(double value);

[C++]

[VB]

24

25

[VB] **Public** Sub New(ByVal value Double) As 1 double); [JScript] public function SqlMoney(value 2 3 Description 4 Initializes a new instance of the System.Data.SqlTypes.SqlMoney class 5 with the value given. The monetary value to initialize. 6 SqlMoney 7 Example Syntax: 8 Xor 9 10 SqlMoney(int public value); [C#] 11 public: SqlMoney(int [C++]value); 12 [VB] Public Sub New(ByVal value As Integer) 13 [JScript] public function SqlMoney(value int); 14 15 Description 16 Initializes a new instance of the System.Data.SqlTypes.SqlMoney class 17 with the value given. The monetary value to initialize. 18 SqlMoney 19 Example Syntax: 20 Xor 21 22 SqlMoney(long [C#] public value); 23

New(ByVal

SqlMoney(int64

value

As

value);

Long)

public:

Sub

Public

[JScript] public function SqlMoney(value long); 2 Description 3 Initializes a new instance of the System.Data.SqlTypes.SqlMoney class 4 with the value given. The monetary value to initialize. 5 IsNull 6 Xor 7 8 public [C#] IsNull bool {get;} 9 public: bool get IsNull(); [C++]property 10 Public ReadOnly [VB] IsNull Boolean Property As 11 [JScript] function IsNull() Boolean; public get : 12 13 Description 14 indicating Returns value whether the a 15 System.Data.SqlTypes.SqlMoney.Value property is assigned to null. 16 Value 17 Xor 18 19 public decimal Value [C#] {get;} 20 __property get Value(); [C++]public: Decimal 21 ReadOnly Property Decimal [VB] Public Value As 22 Value() Decimal; function [JScript] public : get 23 24 Description 25

1	Gets the monetary value of an instance of the
2	System.Data.SqlTypes.SqlMoney structure. This property is read-only.
3	Add
4	
5	[C#] public static SqlMoney Add(SqlMoney x, SqlMoney y);
6	[C++] public: static SqlMoney Add(SqlMoney x, SqlMoney y);
7	[VB] Public Shared Function Add(ByVal x As SqlMoney, ByVal y As SqlMoney)
8	As SqlMoney
9	[JScript] public static function Add(x : SqlMoney, y : SqlMoney) : SqlMoney;
10	
11	Description
12	[.]
13	CompareTo
14	
15	[C#] public int CompareTo(object value);
16	[C++] public:sealed int CompareTo(Object* value);
17	[VB] NotOverridable Public Function CompareTo(ByVal value As Object) As
18	Integer
19	[JScript] public function CompareTo(value : Object) : int;
20	
21	Description
22	Compares this instance to the supplied object and returns an indication of
23	their relative values.
24	Return Value: A signed number indicating the relative values of the instance and
25	the object. The object to be compared.

Divide

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

SqlMoney Divide(SqlMoney [C#] public static X, SqlMoney y); SqlMoney public: static SqlMoney Divide(SqlMoney [C++]х, [VB] Public Shared Function Divide(ByVal x As SqlMoney, ByVal y As SqlMoney) As SqlMoney [JScript] public static function Divide(x : SqlMoney, y : SqlMoney) : SqlMoney;

Description

[.]

Equals

[C#] public override bool Equals(object value);
[C++] public: bool Equals(Object* value);
[VB] Overrides Public Function Equals(ByVal value As Object) As Boolean
[JScript] public override function Equals(value : Object) : Boolean;

Description

Compares the supplied object the parameter to System.Data.SqlTypes.SqlMoney.Value of the property System.Data.SqlTypes.SqlMoney object. Return Value: Equals will return true if the object is an instance of System.Data.SqlTypes.SqlMoney and the two are equal; otherwise false. The object to be compared.

Equals

[C#] public static new SqlBoolean Equals(SqlMoney x, SqlMoney y);
[C++] public: static SqlBoolean Equals(SqlMoney x, SqlMoney y);
[VB] Shadows Public Shared Function Equals(ByVal x As SqlMoney, ByVal y As
SqlMoney) As SqlBoolean
[JScript] public static hide function Equals(x : SqlMoney, y : SqlMoney) :
SqlBoolean;
Description
GetHashCode
[C#] public override int GetHashCode();
[C++] public: int GetHashCode();
[VB] Overrides Public Function GetHashCode() As Integer
[JScript] public override function GetHashCode() : int;
Description
Gets the hash code for this instance.
Return Value: A 32-bit signed integer hash code.
GreaterThan
[C#] public static SqlBoolean GreaterThan(SqlMoney x, SqlMoney y);
[C++] public: static SqlBoolean GreaterThan(SqlMoney x, SqlMoney y);
[VB] Public Shared Function GreaterThan(ByVal x As SqlMoney, ByVal y As

SqlMoney) SqlBoolean As [JScript] public static function GreaterThan(x : SqlMoney, y : SqlMoney) : 2 SqlBoolean; 3 4 Description 5 [.] 6 GreaterThanOrEqual 7 8 [C#] public static SqlBoolean GreaterThanOrEqual(SqlMoney x, SqlMoney y); 9 [C++] public: static SqlBoolean GreaterThanOrEqual(SqlMoney x, SqlMoney y); 10 [VB] Public Shared Function GreaterThanOrEqual(ByVal x As SqlMoney, ByVal 11 SqlMoney) SqlBoolean As As 12 [JScript] public static function GreaterThanOrEqual(x : SqlMoney, y : SqlMoney) 13 SqlBoolean; -14 15 Description 16 [.] 17 LessThan 18 19 SqlBoolean LessThan(SqlMoney public static SqlMoney [C#] х, y); 20 SqlMoney y); [C++] public: static SqlBoolean LessThan(SqlMoney x, 21 [VB] Public Shared Function LessThan(ByVal x As SqlMoney, ByVal y As 22 SqlMoney) As SqlBoolean 23 [JScript] public static function LessThan(x : SqlMoney, y : SqlMoney) : 24 SqlBoolean; 25

1	
2	Description
3	[.]
4	LessThanOrEqual
5	
6	[C#] public static SqlBoolean LessThanOrEqual(SqlMoney x, SqlMoney y);
7	[C++] public: static SqlBoolean LessThanOrEqual(SqlMoney x, SqlMoney y)
8	[VB] Public Shared Function LessThanOrEqual(ByVal x As SqlMoney, ByVal y
9	As SqlMoney) As SqlBoolean
10	[JScript] public static function LessThanOrEqual(x : SqlMoney, y : SqlMoney) :
11	SqlBoolean;
12	
13	Description
14	[.]
15	Multiply
16	
17	[C#] public static SqlMoney Multiply(SqlMoney x, SqlMoney y);
18	[C++] public: static SqlMoney Multiply(SqlMoney x, SqlMoney y);
19	[VB] Public Shared Function Multiply(ByVal x As SqlMoney, ByVal y As
20	SqlMoney) As SqlMoney
21	[JScript] public static function Multiply(x : SqlMoney, y : SqlMoney) : SqlMoney
22	
23	Description
24	[.]
25	NotEquals

lee ⊗hayes ≠ 509-124-926 1177 MS1-864US.APP

1	
2	[C#] public static SqlBoolean NotEquals(SqlMoney x, SqlMoney y);
3	[C++] public: static SqlBoolean NotEquals(SqlMoney x, SqlMoney y);
4	[VB] Public Shared Function NotEquals(ByVal x As SqlMoney, ByVal y As
5	SqlMoney) As SqlBoolean
6	[JScript] public static function NotEquals(x : SqlMoney, y : SqlMoney) :
7	SqlBoolean;
8	
9	Description
10	[.]
11	op_Addition
12	
13	[C#] public static SqlMoney operator +(SqlMoney x, SqlMoney y);
14	[C++] public: static SqlMoney op_Addition(SqlMoney x, SqlMoney y);
15	[VB] returnValue = SqlMoney.op_Addition(x, y)
16	[JScript] returnValue = x + y;
17	
18	Description
19	Calculates the sum of the two System.Data.SqlTypes.SqlMoney
20	parameters.
21	Return Value: A new System.Data.SqlTypes.SqlMoney stucture whose
22	System.Data.SqlTypes.SqlMoney.Value contains the sum of the two
23	System.Data.SqlTypes.SqlMoney parameters. A
24	System.Data.SqlTypes.SqlMoney structure. A
25	System.Data.SqlTypes.SqlMoney structure.

op Division 2 public static SqlMoney operator /(SqlMoney x, [C#] SqlMoney y); 3 [C++] public: static SqlMoney op Division(SqlMoney x, SqlMoney y); returnValue [VB] SqlMoney.op Division(x, y) 5 [JScript] returnValue X у; 6 7 Description 8 The division operator divides the first System.Data.SqlTypes.SqlMoney 9 parameter by the second. 10 Return Value: A new System.Data.SqlTypes.SqlMoney structure whose 11 System.Data.SqlTypes.SqlMoney.Value contains the results of the division. A 12 System.Data.SqlTypes.SqlMoney structure. Α 13 System.Data.SqlTypes.SqlMoney structure. 14 op Equality 15 16 [C#] public static SqlBoolean operator ==(SqlMoney x, SqlMoney y); 17 [C++] public: static SqlBoolean op Equality(SqlMoney x, SqlMoney y); 18 [VB] returnValue SqlMoney.op Equality(x, y) 19 [JScript] returnValue X у; 20 21 Description 22 **Performs** logical comparison of the two a 23 System.Data.SqlTypes.SqlMoney parameters to determine if they are equal. 24

System.Data.SqlTypes.SqlBoolean

that

is

Value:

Α

Return

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If either instance of System.Data.SqlTypes.SqlMoney is null, the System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlMoney structure. A System.Data.SqlTypes.SqlMoney structure. op Explicit

[C#] public SqlMoney(SqlBoolean static explicit operator x); [C++]public: static SqlMoney op Explicit(SqlBoolean x); [VB] returnValue SqlMoney.op Explicit(x) SqlMoney(x);[JScript] returnValue

Description

This implicit operator converts the supplied System.Data.SqlTypes.SqlBit

parameter to System.Data.SqlTypes.SqlMoney .

Return Value: A new System.Data.SqlTypes.SqlMoney structure whose

System.Data.SqlTypes.SqlMoney.Value property equals the

System.Data.SqlTypes.SqlBit.ByteValue property of the

System.Data.SqlTypes.SqlBit parameter. The System.Data.SqlTypes.SqlBit structure to be converted.

op_Explicit

[C#] public static explicit operator SqlMoney(SqlDecimal x);

[C++]	public:	static	SqlMoney	op_Exp	olicit(SqlDecimal	x);
[VB]	reti	ırnValue	=	9	SqlMoney.op_Expli	cit(x)
[JScript]	returnValue			=	SqlMone	ey(x);

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

This operator converts the supplied System.Data.SqlTypes.SqlDecimal System.Data.SqlTypes.SqlMoney parameter to Return Value: A new System.Data.SqlTypes.SqlMoney structure whose System.Data.SqlTypes.SqlMoney.Value equals the property System.Data.SqlTypes.SqlDecimal.Value of the System.Data.SqlTypes.SqlDecimal The parameter. System.Data.SqlTypes.SqlDecimal structure to be converted.

op_Explicit

[C#]	public	static	explicit	operator	SqlMoney(SqlDouble	x);
[C++]	public:	stat	ic Sql	Money	op_Explicit(SqlDouble	x);
[VB]	I	returnVal	ue	=	SqlMoney.op_Expli	icit(x)
[JScript]]	retu	rnValue		= SqlMon	ey(x);
I						

Description

This operator converts the supplied System.Data.SqlTypes.SqlDouble parameter to System.Data.SqlTypes.SqlMoney .

Return Value: A new System.Data.SqlTypes.SqlMoney structure whose System.Data.SqlTypes.SqlMoney.Value property equals the System.Data.SqlTypes.SqlDouble.Value of the

lee⊗hayes 🙉 509-324-9256 1181 MS1-864US.APP

1	System.Data.SqlTypes.SqlDouble parameter. The
2	System.Data.SqlTypes.SqlDouble structure to be converted.
3	op_Explicit
4	
5	[C#] public static explicit operator decimal(SqlMoney x);
6	[C++] public: static Decimal op_Explicit();
7	[VB] returnValue = SqlMoney.op_Explicit(x)
8	[JScript] returnValue = Decimal(x);
9	
10	Description
11	Converts the System.Data.SqlTypes.SqlMoney parameter to
12	System.Decimal .
13	Return Value: A new System.Decimal structure whose value equals the
14	System.Data.SqlTypes.SqlMoney.Value of the
15	System.Data.SqlTypes.SqlMoney parameter. A
16	System.Data.SqlTypes.SqlMoney structure.
17	op_Explicit
18	
19	[C#] public static explicit operator SqlMoney(SqlSingle x);
20	[C++] public: static SqlMoney op_Explicit(SqlSingle x);
21	[VB] returnValue = SqlMoney.op_Explicit(x)
22	[JScript] returnValue = SqlMoney(x);
23	
24	Description
25	

1	This operator converts the supplied System.Data.SqlTypes.SqlSingle
2	parameter to System.Data.SqlTypes.SqlMoney .
3	Return Value: A new System.Data.SqlTypes.SqlMoney structure whose
4	System.Data.SqlTypes.SqlMoney.Value property equals the
5	System.Data.SqlTypes.SqlSingle.Value of the System.Data.SqlTypes.SqlSingle
6	parameter. The System.Data.SqlTypes.SqlSingle structure to be converted.
7	op_Explicit
8	
9	[C#] public static explicit operator SqlMoney(SqlString x);
10	[C++] public: static SqlMoney op_Explicit(SqlString x);
11	[VB] returnValue = SqlMoney.op_Explicit(x)
12	[JScript] returnValue = SqlMoney(x);
13	
14	Description
15	This operator converts the System.Data.SqlTypes.SqlString parameter to
16	System.Data.SqlTypes.SqlMoney .
17	Return Value: A new System.Data.SqlTypes.SqlMoney structure whose
18	System.Data.SqlTypes.SqlMoney.Value property equals the value represented
19	by the System.Data.SqlTypes.SqlString parameter. The
20	System.Data.SqlTypes.SqlString object to be converted.
21	op_GreaterThan
22	
23	[C#] public static SqlBoolean operator >(SqlMoney x, SqlMoney y);
24	[C++] public: static SqlBoolean op_GreaterThan(SqlMoney x, SqlMoney y);
25	[VB] returnValue = SqlMoney.op_GreaterThan(x, y)

lee@hayes ≠ 509-324-926 1183 M51-864US.APP

[JScript] returnValue > X у; 2 Description 3 **Performs** logical of a comparison the two 4 System.Data.SqlTypes.SqlMoney parameters to determine if the first is greater 5 the than second. 6 System.Data.SqlTypes.SqlBoolean Value: Return that 7 Α is System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the 8 second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either 9 of System.Data.SqlTypes.SqlMoney is null, instance the 10 System.Data.SqlTypes.SqlBoolean.Value of the 11 System.Data.SqlTypes.SqlBoolean will be 12 System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlMoney 13 structure. A System.Data.SqlTypes.SqlMoney structure. 14 op GreaterThanOrEqual 15 16 [C#] public static SqlBoolean operator >=(SqlMoney x, SqlMoney y); 17 [C++] public: static SqlBoolean op GreaterThanOrEqual(SqlMoney x, SqlMoney 18 y); 19 SqlMoney.op GreaterThanOrEqual(x, [VB] returnValue y) 20 [JScript] returnValue х >= у; 21 22 Description 23 **Performs** logical comparison of the two 24 a System.Data.SqlTypes.SqlMoney parameters to determine if the first is greater 25

[C#]

public

static

than	or		equal	to	the	sec	cond.
Return	Value:	A .	System.D	ata.SqlTyp	es.SqlBoolean	that	is
System.	Data.SqlT	ypes.SqlB	oolean.Tru	e if the fir	st instance is g	greaater tha	ın or
equal to	the second	instance,	otherwise S	System.Dat	a.SqlTypes.Sq	lBoolean.F	False
. If ϵ	either insta	ance of	System.D	ata.SqlTyp	es.SqlMoney	is null,	the
System.	Data.SqlT	ypes.SqlB	oolean.Val	ue	of		the
System.	Data.SqlT	ypes.SqlB	oolean		will		be
System.	Data.SqlT	ypes.SqlB	oolean.Nul	l . A Syst	em.Data.SqlT	ypes.SqlM	oney
structure	e. A System	ı.Data.Sql	Types.Sql	Money struc	cture.		
o	p_Implicit						
[C#]	public	static	implicit	operator	SqlMoney(decimal	x);
[C++]	public:	statio	c SqlN	Money	op_Implicit(D	ecimal	x);
[VB]	re	eturnValue	;	=	SqlMoney	y.op_Implic	cit(x)
[JScript] re		eturnValue		=		x;	
Descrip	tion						
C	Converts	the	Syst	em.Decima	al parar	neter	to
System.	Data.SqlT	ypes.SqlM	loney				
Return	Value: A	new S	ystem.Data	.SqlTypes.	.SqlMoney st	ructure w	hose
System.	Data.SqlT	ypes.SqlM	loney.Valu	e equals the	e value of the S	ystem.Dec	imal
paramet	er.						
o	p_Implicit						

lee@hayes ax 509-124-9256 1185 MS1-864US.APP

operator

SqlMoney(SqlByte

x);

implicit

1	[C++] public: static SqlMoney op_Implicit(SqlByte x);
2	[VB] returnValue = SqlMoney.op_Implicit(x)
3	[JScript] returnValue = x;
4	
5	Description
6	This implicit operator converts the supplied
7	System.Data.SqlTypes.SqlByte parameter to System.Data.SqlTypes.SqlMoney
8	
9	Return Value: A new System.Data.SqlTypes.SqlMoney structure whose
10	System.Data.SqlTypes.SqlMoney.Value property is equal to the
11	System.Data.SqlTypes.SqlByte.Value of the System.Data.SqlTypes.SqlByte
12	parameter. The System.Data.SqlTypes.SqlByte structure to be converted.
13	op_Implicit
14	
15	[C#] public static implicit operator SqlMoney(SqlInt16 x);
16	[C++] public: static SqlMoney op_Implicit(SqlInt16 x);
17	[VB] returnValue = SqlMoney.op_Implicit(x)
18	[JScript] returnValue = x;
19	
20	Description
21	This implicit operator converts the supplied
22	System.Data.SqlTypes.SqlInt16 parameter to System.Data.SqlTypes.SqlMoney
23	
· 24	Return Value: A new System.Data.SqlTypes.SqlMoney structure whose
25	System.Data.SqlTypes.SqlMoney.Value property equals the

1	System.Data.SqlTypes.SqlInt16.Value of the System.Data.SqlTypes.SqlInt16
2	parameter. The System.Data.SqlTypes.SqlInt16 structure to be converted.
3	op_Implicit
4	
5	[C#] public static implicit operator SqlMoney(SqlInt32 x);
6	[C++] public: static SqlMoney op_Implicit(SqlInt32 x);
7	[VB] returnValue = SqlMoney.op_Implicit(x)
8	[JScript] returnValue = x;
9	
10	Description
11	This implicit operator converts the supplied
12	System.Data.SqlTypes.SqlInt32 parameter to System.Data.SqlTypes.SqlMoney
13	
14	Return Value: A new System.Data.SqlTypes.SqlMoney structure whose
15	System.Data.SqlTypes.SqlMoney.Value property equals the
16	System.Data.SqlTypes.SqlInt32.Value of the System.Data.SqlTypes.SqlInt32
17	parameter. The System.Data.SqlTypes.SqlInt32 structure to be converted.
18	op_Implicit
19	
20	[C#] public static implicit operator SqlMoney(SqlInt64 x);
21	[C++] public: static SqlMoney op_Implicit(SqlInt64 x);
22	[VB] returnValue = SqlMoney.op_Implicit(x)
23	[JScript] returnValue = x;
24	
25	Description

lee@hayes øx 509-324-926 1187 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

lee@hayes acc 509-324-9256

This implicit operator converts the supplied System.Data.SqlTypes.SqlInt64 parameter to System.Data.SqlTypes.SqlMoney

Return Value: A new System.Data.SqlTypes.SqlMoney structure whose System.Data.SqlTypes.SqlMoney.Value property equals the System.Data.SqlTypes.SqlInt64.Value of the System.Data.SqlTypes.SqlInt64 parameter. The System.Data.SqlTypes.SqlInt64 structure to be converted.

op Inequality

[C#] public static SqlBoolean operator !=(SqlMoney x, SqlMoney y);
[C++] public: static SqlBoolean op_Inequality(SqlMoney x, SqlMoney y);
[VB] returnValue = SqlMoney.op_Inequality(x, y)
[JScript] returnValue = x != y;

Description

Performs logical comparison of the two a System.Data.SqlTypes.SqlMoney parameters to determine if they are equal. Return Value: Α System.Data.SqlTypes.SqlBoolean that is System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either null, the instance of System.Data.SqlTypes.SqlMoney is of System.Data.SqlTypes.SqlBoolean.Value the will be System.Data.SqlTypes.SqlBoolean System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlMoney structure. A System.Data.SqlTypes.SqlMoney structure.

op LessThan

[C#] public static SqlBoolean operator
[C++] public: static SqlBoolean op_LessThan(SqlMoney x, SqlMoney y);
[VB] returnValue = SqlMoney.op_LessThan(x, y)
[JScript] returnValue = x < y;

Description

1

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Performs logical comparison of the two a System.Data.SqlTypes.SqlMoney parameters to determine if the first is less than second. the Value: System.Data.SqlTypes.SqlBoolean Return Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either of System.Data.SqlTypes.SqlMoney is null, the instance System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be $System. Data. Sql Types. Sql Boolean. Null \ . \ A \ System. Data. Sql Types. Sql Money$ structure. A System.Data.SqlTypes.SqlMoney structure.

op_LessThanOrEqual

[C#] public static SqlBoolean operator <=(SqlMoney x, SqlMoney y);
[C++] public: static SqlBoolean op_LessThanOrEqual(SqlMoney x, SqlMoney y);
[VB] returnValue = SqlMoney.op_LessThanOrEqual(x, y)
[JScript] returnValue = x <= y;

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Performs a logical comparison of the two System.Data.SqlTypes.SqlMoney parameters to determine if the first is less than the second. or equal to Value: System.Data.SqlTypes.SqlBoolean that is Return Α System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either System.Data.SqlTypes.SqlMoney the instance of System.Data.SqlTypes.SqlBoolean.Value of the will System.Data.SqlTypes.SqlBoolean be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlMoney structure. A System.Data.SqlTypes.SqlMoney structure.

op_Multiply

[C#] public static SqlMoney operator *(SqlMoney x, SqlMoney y);
[C++] public: static SqlMoney op_Multiply(SqlMoney x, SqlMoney y);
[VB] returnValue = SqlMoney.op_Multiply(x, y)
[JScript] returnValue = x * y;

Description

The multiplicaion operator calculates the product of the two System.Data.SqlTypes.SqlMoney parameters.

Return Value: A new System.Data.SqlTypes.SqlMoney structure whose System.Data.SqlTypes.SqlMoney.Value contains the product of the

parameter.

25

multiplication. System.Data.SqlTypes.SqlMoney Α structure. 1 System.Data.SqlTypes.SqlMoney structure. 2 op Subtraction 3 4 public static SqlMoney operator -(SqlMoney x, [C#] SqlMoney 5 [C++] public: static SqlMoney op Subtraction(SqlMoney x, SqlMoney y); 6 [VB] returnValue SqlMoney.op Subtraction(x, 7 **y**) [JScript] returnValue 8 Х у; 9 Description 10 The subtraction operator subtracts the second 11 System.Data.SqlTypes.SqlMoney parameter from the first. 12 Return Value: A new System.Data.SqlTypes.SqlMoney structure containing the 13 resuls of the subtraction. A System.Data.SqlTypes.SqlMoney structure. A 14 **System.Data.SqlTypes.SqlMoney** structure. 15 op UnaryNegation 16 17 public SqlMoney [C#] static operator -(SqlMoney x); 18 [C++]public: static SqlMoney op UnaryNegation(SqlMoney x); 19 [VB] returnValue SqlMoney.op UnaryNegation(x) 20 [JScript] returnValue -x; 21 22 Description 23 The unary minus operator negates the System.Data.SqlTypes.SqlMoney 24

lee@hayes ≠ 509-324-9256 1191 MS1-864US.APP

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

System.Data.SqlTypes.SqlMoney structure whose Return Value: System.Data.SqlTypes.SqlMoney.Value contains the results of the negation. The System.Data.SqlTypes.SqlMoney structure to be negated. Parse SqlMoney Parse(string [C#] public static s); Parse(String* public: static SqlMoney [C++]s); [VB] Public Shared Function Parse(ByVal s As String) As SqlMoney public static function SalMoney: [JScript] Parse(s String) Description [.][.]Subtract SqlMoney Subtract(SqlMoney SqlMoney [C#] public static х, y); [C++] public: static SqlMoney Subtract(SqlMoney x, SqlMoney [VB] Public Shared Function Subtract(ByVal x As SqlMoney, ByVal y As SqlMoney) As SqlMoney [JScript] public static function Subtract(x : SqlMoney, y : SqlMoney) : SqlMoney; Description $[\]$ **ToDecimal** ToDecimal(); [C#] public decimal

1	[C++]		public:	Decimal	5	ToDecimal();	
2	[VB]	Public	Function	ToDecimal()	As	Decimal	
3	[JScript]	publi	c function	ToDecimal()	:	Decimal;	
4							
5	Descripi	ion					
6	C	onverts the	Value of this insta	nce of System.Dat	a.SqlType	es.SqlMoney	
7	as	a	S	ystem.Decimal		structure.	
8	Return	Value: A	System.Decimal	structure whose	e value	equals the	
9	System.	Data.SqlTyp	es.SqlMoney.Valı	e property	0	f this	
10	System.	Data.SqlTyp	es.SqlMoney struc	eture.			
11	Т	oDouble					
12							
13	[C#]	·	public	double		ToDouble();	
14	[C++]		public:	double		ToDouble();	
15	[VB]	Public	Function	ToDouble()	As	Double	
16	[JScript]	publ	ic function	ToDouble()	:	double;	
17							
18	Descripi	ion					
19	C	onverts this	System.Data.Sql	Types.SqlMoney	structure 1	to a double.	
20	Return	Value:	A double v	vith a value	equal	to this	
21	System.	Data.SqlTyp	es.SqlMoney struc	eture.			
22	Т	oInt32					
23							
24	[C#]		public	int		ToInt32();	
25	[C++]		public:	int		ToInt32();	

1	[VB]	Public	Function	ToInt32()	As	Integer			
2	[JScript]	public	funct	ion ToInt32	0	: int;			
3									
4	Description	on							
5	Cor	nverts this S	ystem.Data.S	SqlTypes.SqlMoney	structure	to integer.			
6	Return Value: A 32-bit integer whose value equals the integer portion of this								
7	System.D	ata.SqlTypes.S	SqlMoney str	ucture.					
8	To	Int64							
9									
10	[C#]	p	ublic	long		ToInt64();			
11	[C++]	public:		int64	•	ToInt64();			
12	[VB]	Public	Function	ToInt64()	As	Long			
13	[JScript]	public	functi	on ToInt64() :	long;			
14									
15	Description	on							
16	Co	nverts the Valu	ue of this Sys	stem.Data.SqlTypes	s.SqlMoney	structure to			
17	long.			·					
18	Return Vo	alue: A 64-bit	integer who	se value equals the	integer po	ortion of this			
19	System.D	ata.SqlTypes.S	SqlMoney str	ructure.					
20	To	SqlBoolean							
21	·				•				
22	[C#]	public		SqlBoolean	ToS	SqlBoolean();			
23	[C++]	publi	c:	SqlBoolean	ToS	SqlBoolean();			
24	[VB]	Public 1	Function	ToSqlBoolean()	As	SqlBoolean			
25	[JScript]	public	function	ToSqlBoolean()	:	SqlBoolean;			

lee⊗hayes ptc 509-124-9256 1194 M51-864US.APP

1									
2	Descriptio	n							
3	[.]								
4	ToS	SqlByte							
5									
6	[C#]	p	ublic	SqlByte		ToSqlByte();			
7	[C++]	ŗ	oublic:	SqlByte		ToSqlByte();			
8	[VB]	Public	Function	ToSqlByte()	As	SqlByte			
9	[JScript]	public	function	ToSqlByte()	:	SqlByte;			
10									
11	Description								
12	[.]								
13	Tos	SqlDecimal							
14									
15	[C#]	publ	lic	SqlDecimal	ToSqlDecimal();				
16	[C++]	pub	olic:	SqlDecimal	То	SqlDecimal();			
17	[VB]	Public	Function	ToSqlDecimal()	As	SqlDecimal			
18	[JScript]	public	function	ToSqlDecimal()	:	SqlDecimal;			
19									
20	Descriptio	n							
21	[.								
22	ToSqlDouble								
23									
24	[C#]	pub		SqlDouble		oSqlDouble();			
25	[C++]	pu	blic:	SqlDouble	T	oSqlDouble();			

1	[VB]	Public	Function	ToSqlDouble()	As	SqlDouble
2	[JScript]	public	function	ToSqlDouble()	:	SqlDouble;
3						
4	Descriptio	n				
5	[.]		·	•	
6	ToS	SqlInt16				
7		·				
8	[C#]	pu	blic	SqlInt16		ToSqlInt16();
9	[C++]	p	ublic:	SqlInt16		ToSqlInt16();
10	[VB]	Public	Function	ToSqlInt16()	As	SqlInt16
11	[JScript]	public	function	ToSqlInt16()	:	SqlInt16;
12						
13	Descriptio	n				
14	[.]				
15	ToS	SqlInt32				
16						
17	[C#]	pu	blic	SqlInt32		ToSqlInt32();
18	[C++]	p	ublic:	SqlInt32		ToSqlInt32();
19	[VB]	Public	Function	ToSqlInt32()	As	SqlInt32
20	[JScript]	public	function	ToSqlInt32()	:	SqlInt32;
21						
22	Descriptio	n	•			
23	[.]				
24	ToS	SqlInt64				
25						

1						
2	[C#]	put	olic	SqlInt64		ToSqlInt64();
3	[C++]	pu	blic:	SqlInt64	ToSqlIn	
4	[VB]	Public	Function	ToSqlInt64()	As	SqlInt64
5	[JScript]	public	function	ToSqlInt64()	:	SqlInt64;
6						
. 7	Description	ı				
8	[.]					•
9	ToS	qlSingle				
10						
11	[C#] public		lic	SqlSingle		ToSqlSingle();
12	[C++] public:		SqlSingle		ToSqlSingle();	
13	[VB]	Public	Function	ToSqlSingle()	As	SqlSingle
14	[JScript]	public	function	ToSqlSingle()	:	SqlSingle;
15						
16	Description	ı				
17	[.]					
18	ToS	qlString				
19						
20	[C#]	pub	lic	SqlString		ToSqlString();
21	[C++]	pul	olic:	SqlString		ToSqlString();
22	[VB]	Public	Function	ToSqlString()	As	SqlString
23	[JScript]	public	function	ToSqlString()	:	SqlString;
24						
25	Description	ı				

23

24

25

[.]
ToString
.

public override string ToString(); [C#] String* [C++]public: ToString(); **Public Function** ToString() [VB] Overrides As String public override function ToString() : String; Converts [JScript] System.Data.SqlTypes.SqlMoney string. structure to

Description

Converts this instance of System.Data.SqlTypes.SqlMoney to string.

Return Value: A string whose value is the string representation of the System.Data.SqlTypes.SqlMoney.Value property of this System.Data.SqlTypes.SqlMoney structure.

SqlNullValueException class (System.Data.SqlTypes)
ToString

Description

The exception that is thrown when the Value property of a SqlTypes structure is set to null.

In order to avoid throwing this exception, you should always check the IsNull property of the structure before accessing the Value property.

Sql Null Value Exception

Example Syntax:

ToString 2 public SqlNullValueException(); [C#] 3 public: SqlNullValueException(); [C++]4 Public [VB] Sub New() 5 [JScript] public function SqlNullValueException(); Initializes a new instance of 6 System.Data.SqlTypes.SqlNullValueException the class. 7 8 Description 9 Initializes instance of. the new 10 System.Data.SqlTypes.SqlNullValueException class with default properties. 11 SqlNullValueException 12 Example Syntax: 13 **ToString** 14 15 [C#] public SqlNullValueException(string message); 16 SqlNullValueException(String* [C++]public: message); 17 **Public** Sub [VB] New(ByVal message As String) 18 [JScript] public function SqlNullValueException(message String); 19 20 Description 21 Initializes of the instance new 22 System.Data.SqlTypes.SqlNullValueException class with a specified error 23 message. The error message that explains the reason for the exception. 24 HelpLink 25

1	HResult
2	InnerException
3	Message
4	Source
5	StackTrace
6	TargetSite
7	ISerializable.GetObjectData
. 8	
9	[C#] void ISerializable.GetObjectData(SerializationInfo si, StreamingContext
10	context);
11	[C++] void ISerializable::GetObjectData(SerializationInfo* si, StreamingContext
12	context);
13	[VB] Sub GetObjectData(ByVal si As SerializationInfo, ByVal context As
14	StreamingContext) Implements ISerializable.GetObjectData
15	[JScript] function ISerializable.GetObjectData(si : SerializationInfo, context :
16	StreamingContext);
17	SqlSingle structure (System.Data.SqlTypes)
18	ToString
19	
20	
21	Description
22	Represents a floating point number within the range of -3.40E +38 through
23	3.40E +38 to be stored in or retrieved from a database.
24	ToString
25	

[C#]	public	static	readonly	SqlSingl	е	MaxValue;
[C++]	publ	ic:	static	SqlSingle		MaxValue;
[VB]	Public	Shared	ReadOnly	MaxValue	As	SqlSingle
[JScript]	public	static	var	MaxValue	:	SqlSingle;

Represents the maximum value that can be assigned to the System.Data.SqlTypes.SqlSingle.Value property of an instance of the System.Data.SqlTypes.SqlSingle class.

The value of this constant is -3.40E+38.

ToString

[C#]	public	static	readonly	SqlSingle		MinValue;
[C++]	publ	ic:	static	SqlSingle		MinValue;
[VB]	Public	Shared	ReadOnly	MinValue	As	SqlSingle
[JScript]	public	static	var	MinValue	:	SqlSingle;

Description

Represents the minimum value that can be assigned to System.Data.SqlTypes.SqlSingle.Value property of an instance of the System.Data.SqlTypes.SqlSingle class.

The value of this constant is 3.40E+38.

ToString

[C#]	public	static	readonly	9	SqlSingle	Null;
[C++]	public:		static	SqlSingle		Null;
[VB]	Public	Shared	ReadOnly	Null	As	SqlSingle
[JScript]	public	static	var	Null	:	SqlSingle;

[.]

ToString

[C#]	public	static	readonly	S	sqlSingle	Zero;
[C++]	public:		static	SqlSingle		Zero;
[VB]	Public	Shared	ReadOnly	Zero	As	SqlSingle
[JScript]	public	static	var	Zero	:	SqlSingle;

Description

Represents the zero value that can be assigned to the System.Data.SqlTypes.SqlSingle.Value property of an instance of the System.Data.SqlTypes.SqlSingle class.

System.Data.SqlTypes.SqlSingle.Zero functions as a constant for the System.Data.SqlTypes.SqlSingle class.

SqlSingle

Example Syntax:

ToString

lee@hayes ≠ 509-124-9256 1202 MS1-864US.APP

[C#]	pu	i	SqlSingle(double				
[C++]	pı	ıblic:		SqlSingl	e(double		value);
[VB]	Public	Sub	New(By	/Val	value	As	Double)
[JScript]	public	fui	nction	SqlSing	le(value	:	double);

Initializes a new instance of the **System.Data.SqlTypes.SqlSingle** structure using the supplied double parameter. A double value which will be used as the **System.Data.SqlTypes.SqlSingle.Value** of the new **System.Data.SqlTypes.SqlSingle** structure.

SqlSingle

Example Syntax:

ToString

[C#]		public	S		value);		
[C++]		public:	1		value);		
[VB]	Public	Sub	New(ByV	'al v	value	As S	Single)
[JScript] public function SqlSingle(value : float); Initializes a new instance of the							
System.Data.SqlTypes.SqlSingle structure using the supplied floating point							
value.							

Description

Initializes a new instance of the **System.Data.SqlTypes.SqlSingle** structure. A floating point number which will be used as the

the

As

whether

As

new

{get;}

Boolean

Boolean;

the

{get;}

Single

float;

get_Value();

get_IsNull();

25

Add

'Ⅱ											
2	[C#] public static SqlSingle Add(SqlSingle x, SqlSingle y);										
3	[C++] public: static SqlSingle Add(SqlSingle x, SqlSingle y);										
4	[VB] Public Shared Function Add(ByVal x As SqlSingle, ByVal y As SqlSingle)										
5	As SqlSingle										
6	[JScript] public static function Add(x : SqlSingle, y : SqlSingle) : SqlSingle;										
7											
8	Description										
9	[]										
10	CompareTo										
11											
12	[C#] public int CompareTo(object value);										
13	[C++] public:sealed int CompareTo(Object* value);										
14	[VB] NotOverridable Public Function CompareTo(ByVal value As Object) As										
15	Integer										
16	[JScript] public function CompareTo(value : Object) : int;										
17											
18	Description										
19	Compares this instance to the supplied object and returns an indication of										
20	their relative values.										
21	Return Value: A signed number indicating the relative values of the instance and										
22	the object. The object to be compared.										
23	Divide										
24											
25	[C#] public static SqlSingle Divide(SqlSingle x, SqlSingle y);										

lee@hayes pac 509-324-9256 MS1-864US.APP

[C++] public: static SqlSingle Divide(SqlSingle x, SqlSingle y)					
[VB] Public Shared Function Divide(ByVal x As SqlSingle, ByVal y A					
SqlSingle) As SqlSingl					
[JScript] public static function Divide(x : SqlSingle, y : SqlSingle) : SqlSingle					
Description					
[.]					
Equals					
[C#] public override bool Equals(object value)					
[C++] public: bool Equals(Object* value)					
[VB] Overrides Public Function Equals(ByVal value As Object) As Boolean					
[JScript] public override function Equals(value : Object) : Boolean					
Description					
Compares the supplied object parameter to th					
System.Data.SqlTypes.SqlSingle.Value property of th					
System.Data.SqlTypes.SqlSingle object					
Return Value: Equals will return true if the object is an instance of					
System.Data.SqlTypes.SqlSingle and the two are equal; otherwise false. The					
object to be compared.					
Equals					
[C#] public static new SqlBoolean Equals(SqlSingle x, SqlSingle y)					
[C++] public: static SqlBoolean Equals(SqlSingle x, SqlSingle y)					

```
[VB] Shadows Public Shared Function Equals(ByVal x As SqlSingle, ByVal y As
    SqlSingle)
                                         As
                                                                       SqlBoolean
2
    [JScript] public static hide function Equals(x : SqlSingle, y : SqlSingle) :
3
    SqlBoolean;
5
    Description
6
          [.]
7
          GetHashCode
8
9
                   public
                                   override
                                                                  GetHashCode();
    [C#]
                                                     int
10
                                                                  GetHashCode();
    [C++]
                         public:
                                                int
11
             Overrides
                                     Function
                                                 GetHashCode()
    [VB]
                          Public
                                                                    As
                                                                           Integer
12
                                        function
    [JScript]
                 public
                            override
                                                     GetHashCode()
                                                                              int;
13
14
    Description
15
          Gets
                     the
                               hash
                                          code
                                                      for
                                                               this
                                                                         instance.
16
    Return Value: A 32-bit signed integer hash code.
17
          GreaterThan
18
19
    [C#] public static SqlBoolean GreaterThan(SqlSingle x, SqlSingle y);
20
    [C++] public: static SqlBoolean GreaterThan(SqlSingle x, SqlSingle y);
21
    [VB] Public Shared Function GreaterThan(ByVal x As SqlSingle, ByVal y As
22
    SqlSingle)
                                         As
                                                                       SqlBoolean
23
    [JScript] public static function GreaterThan(x : SqlSingle, y : SqlSingle) :
24
    SqlBoolean;
25
```

1	
2	Description
3	[.]
4	GreaterThanOrEqual
5	
6	[C#] public static SqlBoolean GreaterThanOrEqual(SqlSingle x, SqlSingle y);
7	[C++] public: static SqlBoolean GreaterThanOrEqual(SqlSingle x, SqlSingle y);
8	[VB] Public Shared Function GreaterThanOrEqual(ByVal x As SqlSingle, ByVal
9	y As SqlSingle) As SqlBoolean
10	[JScript] public static function GreaterThanOrEqual(x : SqlSingle, y : SqlSingle) :
11	SqlBoolean;
12	
13	Description
14	[.]
15	LessThan
16	
17	[C#] public static SqlBoolean LessThan(SqlSingle x, SqlSingle y);
18	[C++] public: static SqlBoolean LessThan(SqlSingle x, SqlSingle y);
19	[VB] Public Shared Function LessThan(ByVal x As SqlSingle, ByVal y As
20	SqlSingle) As SqlBoolean
21	[JScript] public static function LessThan(x : SqlSingle, y : SqlSingle) :
22	SqlBoolean;
23	
24	Description
25	[.]

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

LessThanOrEqual

[C#] public static SqlBoolean LessThanOrEqual(SqlSingle x, SqlSingle y);
[C++] public: static SqlBoolean LessThanOrEqual(SqlSingle x, SqlSingle y);
[VB] Public Shared Function LessThanOrEqual(ByVal x As SqlSingle, ByVal y As SqlSingle) As SqlSingle) As SqlBoolean
[JScript] public static function LessThanOrEqual(x : SqlSingle, y : SqlSingle) : SqlBoolean;

Description

[.]

Multiply

static [C#] public SqlSingle Multiply(SqlSingle SqlSingle y); х, static SqlSingle Multiply(SqlSingle [C++] public: SqlSingle X, y); [VB] Public Shared Function Multiply(ByVal x As SqlSingle, ByVal y As SqlSingle SqlSingle) As [JScript] public static function Multiply(x : SqlSingle, y : SqlSingle) : SqlSingle;

Description

[.]

NotEquals

[C#] public static SqlBoolean NotEquals(SqlSingle x, SqlSingle y); [C++] public: static SqlBoolean NotEquals(SqlSingle x, SqlSingle y);

3

4

5

6

7

8

9

10

12

13

14

15

16

17

18

19

20

21

22

23

24

```
[VB] Public Shared Function NotEquals(ByVal x As SqlSingle, ByVal y As
SqlSingle)
                                  As
                                                              SqlBoolean
[JScript] public static function NotEquals(x : SqlSingle, y : SqlSingle) :
SqlBoolean;
Description
      [.]
      op Addition
[C#] public static SqlSingle operator +(SqlSingle x,
                                                           SqlSingle
                                                                      y);
[C++] public: static SqlSingle op_Addition(SqlSingle x, SqlSingle
[VB]
            returnValue
                                        SqlSingle.op Addition(x,
                                                                      y)
[JScript]
                 returnValue
                                                X
                                                                       y;
Description
            ] [.
                      .] A System.Data.SqlTypes.SqlSingle structure. A
System.Data.SqlTypes.SqlSingle structure.
     op_Division
      public
                     SqlSingle
                                operator /(SqlSingle x,
[C#]
              static
                                                           SqlSingle
                                                                      y);
[C++] public: static SqlSingle op Division(SqlSingle x, SqlSingle
                                                                      y);
            returnValue
                                        SqlSingle.op Division(x,
[VB]
                                                                      y)
[JScript]
                 returnValue
                                                 X
                                                                      у;
Description
```

[.]	[.] A	System	.Data.Sql	Types.SqlSi	ngle stru	icture.	A
System.Data.SqlTypes.SqlSingle structure.									
C	op_Equali	ty							
[C#] r	oublic st	atic S	qlBoole	ean ope	rator ==	(SqlSingle	x, SqlS	ingle	y);
[C++]	public:	static	SqlBoo	olean op	_Equality	y(SqlSingle	x, SqlS	ingle	y);
[VB]	ret	urnValu	ie	=	SqlS	Single.op_Ed	quality(x,		y)
[JScript	t]	returi	nValue		=	x	==		y;
Descrip	otion								
F	Performs	a logic	cal con	mparison	of the	two SqlSin	ngle para	meters	to
determi	ne	i	f	1	they	are	·	equ	ıal.
Return	Value	e: A	s S	ystem.D	ata.SqlTy	pes.SqlBoo	lean 1	hat	is
System	.Data.Sql	Types.	SqlBoo	lean.Tru	e if the	two insta	nces are	equal	or
System	.Data.Sql	Types.	SqlBoo	lean.Fals	se if the	two instance	es are not	equal.	If
either	instance	e of	Syst	em.Data	.SqlType	s.SqlSingle	is n	ull,	the
System	.Data.Sql	Types.	SqlBoo	lean.Val	ue	of			the
System	.Data.Sql	Types.	SqlBoo	lean		will			be
System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlSingle									
structure. A System.Data.SqlTypes.SqlSingle structure.									
C	op_Explic	it							
[C#]	public	static	exp	olicit	operator	SqlSingle	e(SqlBoole	ean	x);
[C++]	public	c: s	tatic	SqlSi	ngle	op_Explicit(SqlBoolea	ın	x);
[VB]		return	√alue		=	SqlS	ingle.op_I	Explicit	(x)

[JScript] SqlSingle(x); returnValue 2 Description 3 This implicit operator converts the supplied System.Data.SqlTypes.SqlBit 4 System.Data.SqlTypes.SqlSingle to 5 Return Value: A new System.Data.SqlTypes.SqlSingle structure whose 6 System.Data.SqlTypes.SqlSingle.Value the is equal to 7 System.Data.SqlTypes.SqlBit.ByteValue of the System.Data.SqlTypes.SqlBit 8 parameter. The System.Data.SqlTypes.SqlBit structure to be converted. 9 op Explicit 10 11 [C#] public explicit SqlSingle(SqlDouble static operator x); 12 SqlSingle [C++]public: static op Explicit(SqlDouble x); 13 [VB] returnValue SqlSingle.op Explicit(x) 14 [JScript] SqlSingle(x); returnValue 15 16 Description 17 Converts the supplied System.Data.SqlTypes.SqlDouble parameter to 18 System.Data.SqlTypes.SqlSingle 19 Return Value: A new System.Data.SqlTypes.SqlSingle structure whose 20 System.Data.SqlTypes.SqlSingle.Value is equal to the 21 the System.Data.SqlTypes.SqlDouble.Value of 22 System.Data.SqlTypes.SqlDouble The parameter. 23 System.Data.SqlTypes.SqlDouble parameter to be converted. 24 op Explicit 25

public explicit operator float(SqlSingle [C#] static x); op_Explicit(); [C++]public: static float [VB] SqlSingle.op Explicit(x) returnValue Single(x); [JScript] returnValue 5 6 Description 7 [.][.] 8 op Explicit 9 10 public explicit operator SqlSingle(SqlString [C#] static x); 11 SqlSingle op Explicit(SqlString [C++]public: static x); 12 returnValue SqlSingle.op Explicit(x) [VB] 13 [JScript] SqlSingle(x); returnValue 14 15 Description 16 Converts the supplied System.Data.SqlTypes.SqlString parameter to 17 System.Data.SqlTypes.SqlSingle 18 Return Value: A new System.Data.SqlTypes.SqlSingle structure whose 19 System.Data.SqlTypes.SqlSingle.Value is equal to the value represented by the 20 System.Data.SqlTypes.SqlString parameter. The SqlString object to be 21 converted. 22 op GreaterThan 23 24 SqlBoolean operator >(SqlSingle x, SqlSingle public static [C#]

ee@hayes ptc 509+324+9256 1213 MS1-864US.APP

п	
1	[C++] public: static SqlBoolean op_GreaterThan(SqlSingle x, SqlSingle y);
2	[VB] returnValue = SqlSingle.op_GreaterThan(x, y)
3	[JScript] returnValue = x > y;
4	
5	Description
6	Performs a logical comparison of the two
7	System.Data.SqlTypes.SqlSingle operands to determine if the first is greater than
8	the second.
9	Return Value: A System.Data.SqlTypes.SqlBoolean that is
10	System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the
11	second instance, otherwise System.Data.SqlTypes.SqlBoolean.False . If either
12	instance of System.Data.SqlTypes.SqlSingle is null, the
13	System.Data.SqlTypes.SqlBoolean.Value of the
14	System.Data.SqlTypes.SqlBoolean will be
15	$System. Data. Sql Types. Sql Boolean. Null \ . \ A \ System. Data. Sql Types. Sql Single$
16	structure. A System.Data.SqlTypes.SqlSingle structure.
17	op_GreaterThanOrEqual
18	
19	[C#] public static SqlBoolean operator >=(SqlSingle x, SqlSingle y);
20	[C++] public: static SqlBoolean op_GreaterThanOrEqual(SqlSingle x, SqlSingle
21	y);
22	[VB] returnValue = SqlSingle.op_GreaterThanOrEqual(x, y)
23	[JScript] returnValue = x >= y;
24	
25	Description

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Performs a logical comparison of two System.Data.SqlTypes.SqlSingl	e				
structures to determine if the first is greater than or equl to the second	l.				
Return Value: A System.Data.SqlTypes.SqlBoolean that i	S				
System.Data.SqlTypes.SqlBoolean.True if the first instance is greaater than o	r				
equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.Fals	e				
. If either instance of System.Data.SqlTypes.SqlSingle is null, th	e				
System.Data.SqlTypes.SqlBoolean.Value of th	е				
System.Data.SqlTypes.SqlBoolean will be					
$System. Data. Sql Types. Sql Boolean. Null \ . \ A \ System. Data. Sql Types. Sql Single$					
structure. A System.Data.SqlTypes.SqlSingle structure.					
op_Implicit	op_Implicit				

```
[C#]
         public
                     static
                               implicit
                                            operator
                                                         SqlSingle(float
                                                                             x);
                                      SqlSingle
[C++]
            public:
                          static
                                                      op_Implicit(float
                                                                             x);
                                                        SqlSingle.op_Implicit(x)
[VB]
                 returnValue
[JScript]
                           returnValue
                                                                              x;
```

Description

[.][.]

op_Implicit

public implicit SqlSingle(SqlByte [C#] static operator x); public: SqlSingle op_Implicit(SqlByte [C++] static x); [VB] returnValue SqlSingle.op_Implicit(x) [JScript] returnValue x;

ee@hayes ≠ 509-324-9256 12.15 MS1-864US.APP

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

This implicit operator converts the System.Data.SqlTypes.SqlByte parameter to System.Data.SqlTypes.SqlSingle

Return Value: A new System.Data.SqlTypes.SqlSingle structure whose System.Data.SqlTypes.SqlSingle.Value property equals the System.Data.SqlTypes.SqlByte.Value of the System.Data.SqlTypes.SqlByte parameter. The System.Data.SqlTypes.SqlByte to be converted.

op Implicit

implicit SqlSingle(SqlDecimal [C#] public static operator x); [C++]public: static SqlSingle op Implicit(SqlDecimal x); SqlSingle.op Implicit(x) [VB] returnValue [JScript] returnValue х;

Description

25

op Implicit

1	
2	[C#] public static implicit operator SqlSingle(SqlInt16 x);
3	[C++] public: static SqlSingle op_Implicit(SqlInt16 x);
4	[VB] returnValue = SqlSingle.op_Implicit(x)
5	[JScript] returnValue = x;
6	
7	Description
8	Converts the supplied System.Data.SqlTypes.SqlInt16 parameter to
9	System.Data.SqlTypes.SqlSingle
10	Return Value: A new System.Data.SqlTypes.SqlSingle structure whose
11	System.Data.SqlTypes.SqlSingle.Value is equal to the
12	System.Data.SqlTypes.SqlInt16.Value of the System.Data.SqlTypes.SqlInt16
13	parameter. The System.Data.SqlTypes.SqlInt16 structure to be converted.
14	op_Implicit
15	
16	[C#] public static implicit operator SqlSingle(SqlInt32 x);
17	[C++] public: static SqlSingle op_Implicit(SqlInt32 x);
18	[VB] returnValue = SqlSingle.op_Implicit(x)
19	[JScript] returnValue = x
20	
21	Description
22	Converts the supplied System.Data.SqlTypes.SqlInt32 structure to
23	System.Data.SqlTypes.SqlSingle
24	Return Value: A new System.Data.SqlTypes.SqlSingle structure whose
25	System.Data.SqlTypes.SqlSingle.Value is equal to the

1	System.Data.SqlTypes.SqlInt32.Value of the System.Data.SqlTypes.SqlInt32									
2	parameter. The System.Data.SqlTypes.SqlInt32 structure to be converted.									
3	op_Implicit									
4										
5	[C#] public static implicit operator SqlSingle(SqlInt64 x);									
6	[C++] public: static SqlSingle op_Implicit(SqlInt64 x);									
7	[VB] returnValue = SqlSingle.op_Implicit(x)									
8	[JScript] returnValue = x;									
9										
10	Description									
11	Converts the supplied System.Data.SqlTypes.SqlInt64 parameter to									
12	System.Data.SqlTypes.SqlSingle .									
13	Return Value: A new System.Data.SqlTypes.SqlSingle structure whose									
14	System.Data.SqlTypes.SqlSingle.Value is equal to the									
15	System.Data.SqlTypes.SqlInt64.Value of the System.Data.SqlTypes.SqlInt64									
16	parameter. The System.Data.SqlTypes.SqlInt64 structure to be converted.									
17	op_Implicit									
18										
19	[C#] public static implicit operator SqlSingle(SqlMoney x);									
20	[C++] public: static SqlSingle op_Implicit(SqlMoney x);									
21	[VB] returnValue = SqlSingle.op_Implicit(x)									
22	[JScript] returnValue = x;									
23										
24	Description									
25										

ı

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Converts the supplied System.Data.SqlTypes.SqlMoney structure to System.Data.SqlTypes.SqlSingle Return Value: A new System.Data.SqlTypes.SqlSingle structure whose System.Data.SqlTypes.SqlSingle.Value is equal to the System.Data.SqlTypes.SqlMoney.Value of the System.Data.SqlTypes.SqlMoney The parameter. System.Data.SqlTypes.SqlMoney structure to be converted. op Inequality

[C#] public static SqlBoolean operator !=(SqlSingle x, SqlSingle y);
[C++] public: static SqlBoolean op_Inequality(SqlSingle x, SqlSingle y);
[VB] returnValue = SqlSingle.op_Inequality(x, y)
[JScript] returnValue = x != y;

Description

Performs logical comparison of the a two System.Data.SqlTypes.SqlSingle parameters to determine if they are equal. Return Value: Α System.Data.SqlTypes.SqlBoolean that System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either instance of System.Data.SqlTypes.SqlSingle is null, the System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlSingle structure. A System.Data.SqlTypes.SqlSingle structure.

op LessThan

[C#] public static SqlBoolean operator
[C++] public: static SqlBoolean op_LessThan(SqlSingle x, SqlSingle y);
[VB] returnValue = SqlSingle.op_LessThan(x, y)
[JScript] returnValue = x < y;

Description

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Performs logical of the comparison two a System.Data.SqlTypes.SqlSingle parameters to determine if the first is less than the second. Value: System.Data.SqlTypes.SqlBoolean Return ' Α that is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either of instance System.Data.SqlTypes.SqlSingle is null, the System.Data.SqlTypes.SqlBoolean.Value of the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlSingle structure. A System.Data.SqlTypes.SqlSingle structure.

 $op_LessThanOrEqual\\$

[C#] public static SqlBoolean operator <=(SqlSingle x, SqlSingle y);
[C++] public: static SqlBoolean op_LessThanOrEqual(SqlSingle x, SqlSingle y);
[VB] returnValue = SqlSingle.op_LessThanOrEqual(x, y)
[JScript] returnValue = x <= y;

lee@hayes pk 509-324-9256 1220 MS1-864US.APP

1	
2	Description
3	Performs a logical comparison of the two
4	System.Data.SqlTypes.SqlSingle parameters to determine if thye first is less than
5	or equal to the second.
6	Return Value: A System.Data.SqlTypes.SqlBoolean that is
7	System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal
8	to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If
9	either instance of System.Data.SqlTypes.SqlSingle is null, the
10	System.Data.SqlTypes.SqlBoolean.Value of the
11	System.Data.SqlTypes.SqlBoolean will be
12	System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlSingle
13	structure. A System.Data.SqlTypes.SqlSingle structure.
14	op_Multiply
15	
16	[C#] public static SqlSingle operator *(SqlSingle x, SqlSingle y);
17	[C++] public: static SqlSingle op_Multiply(SqlSingle x, SqlSingle y);
18	[VB] returnValue = SqlSingle.op_Multiply(x, y)
19	[JScript] returnValue = x * y;
20	
21	Description
22	[.] [.] A System.Data.SqlTypes.SqlSingle structure. A
23	System.Data.SqlTypes.SqlSingle structure.
24	op_Subtraction
25	

1							
2	[C#] public static SqlSingle operator -(SqlSingle x, SqlSingle y);						
3	[C++] public: static SqlSingle op_Subtraction(SqlSingle x, SqlSingle y);						
4	[VB] returnValue = SqlSingle.op_Subtraction(x, y)						
5	[JScript] returnValue = x - y;						
6							
7	Description						
8	[.] [.] A System.Data.SqlTypes.SqlSingle structure. A						
9	System.Data.SqlTypes.SqlSingle structure.						
10	op_UnaryNegation						
11							
12	[C#] public static SqlSingle operator -(SqlSingle x);						
13	[C++] public: static SqlSingle op_UnaryNegation(SqlSingle x);						
14	[VB] returnValue = SqlSingle.op_UnaryNegation(x)						
15	[JScript] returnValue = -x;						
16							
17	Description						
18	[.] [.] A System.Data.SqlTypes.SqlSingle structure.						
19	Parse						
20							
21	[C#] public static SqlSingle Parse(string s);						
22	[C++] public: static SqlSingle Parse(String* s);						
23	[VB] Public Shared Function Parse(ByVal s As String) As SqlSingle						
24	[JScript] public static function Parse(s : String) : SqlSingle;						
25							

lee@hayes ≠ 509-324-926 1222 MS1-864US.APP

1										
2	Description									
3	[.][.]									
4	Subtract		•							
5										
6	[C#] public st	atic SqlSingle	Subtract(SqlSingle	х,	SqlSingle y);					
7	[C++] public:	static SqlSingle	Subtract(SqlSingle	х,	SqlSingle y);					
8	[VB] Public Shar	ed Function Subt	ract(ByVal x As Sq	Sing	le, ByVal y As					
9	SqlSingle)		As		SqlSingle					
10	[JScript] public sta	tic function Subtra	ct(x : SqlSingle, y : S	SqlSin	gle) : SqlSingle;					
11										
12	Description									
13	[]									
14	ToSqlBoole	an								
15										
16	[C#]	public	SqlBoolean		ToSqlBoolean();					
17	[C++]	public:	SqlBoolean		ToSqlBoolean();					
18	[VB] Public	Function	ToSqlBoolean()	As	SqlBoolean					
19	[JScript] publ	ic function	ToSqlBoolean()	:	SqlBoolean;					
20	·									
21	Description									
22	[.]									
23	ToSqlByte									
24										
25	[C#]	public	SqlByte		ToSqlByte();					

lee@hayes øk 509-324-9256 1223 MS1-864US.APP

1	[C++]	pı	ublic:	SqlByte		ToSqlByte();
2	[VB]	Public	Function	ToSqlByte()	As	SqlByte
3	[JScript]	public	function	ToSqlByte()	:	SqlByte;
4						
5	Description	on				
6	[.]				
7	Tos	SqlDecimal				
8						
9	[C#]	publi	c	SqlDecimal	То	SqlDecimal();
10	[C++]	pub	lic:	SqlDecimal	То	SqlDecimal();
11	[VB]	Public	Function	ToSqlDecimal()	As	SqlDecimal
12	[JScript]	public	function	ToSqlDecimal()	:	SqlDecimal;
13						
14	Description	on				
15	· [·]				
16	ToS	SqlDouble				
17						
18	[C#]	publ	ic	SqlDouble	T	oSqlDouble();
19	[C++]	pub	olic:	SqlDouble	T	oSqlDouble();
20	[VB]	Public	Function	ToSqlDouble()	As	SqlDouble
21	[JScript]	public	function	ToSqlDouble()	:	SqlDouble;
22						
23	Description	on .				
24	[.]				
25	Tos	SqlInt16				

1						
2	[C#]	pub	lic	SqlInt16		ToSqlInt16();
3	[C++]	pul	olic:	SqlInt16		ToSqlInt16();
4	[VB]	Public	Function	ToSqlInt16()	As	SqlInt16
5	[JScript]	public	function	ToSqlInt16()	:	SqlInt16;
6						
7	Description	ı				
8	[.]					
9	ToSe	qlInt32				
10						
11	[C#]	pub	lic	SqlInt32		ToSqlInt32();
12	[C++]	pul	blic:	SqlInt32		ToSqlInt32();
13	[VB]	Public	Function	ToSqlInt32()	As	SqlInt32
14	[JScript]	public	function	ToSqlInt32()	:	SqlInt32;
15						
16	Description	1				
17	[.]					
18	ToSe	qlInt64				
. 19						
20	[C#]	pub	lic	SqlInt64		ToSqlInt64();
21	[C++]	pul	olic:	SqlInt64		ToSqlInt64();
22	[VB]	Public	Function	ToSqlInt64()	As	SqlInt64
23	[JScript]	public	function	ToSqlInt64()	:	SqlInt64;
24						
25	Description					

1	[.]						
2	То	SqlMoney				-		
3								
4	[C#]	publ	ic	SqlMone	у		ToSq	lMoney();
5	[C++]	pub	olic:	SqlMon	еу		ToSq	lMoney();
6	[VB]	Public	Function	ToSqlMo	oney()	As	,	SqlMoney
7	[JScript]	public	function	ToSqlN	Money()	:	S	sqlMoney;
8								
9	Description	on						
10	[.]	•					
11	То	SqlString						
12								
13	[C#]	pub	lic	SqlStrii	ng		ToSo	qlString();
14	[C++]	pul	blic:	SqlStri	ing		ToSo	qlString();
15	[VB]	Public	Function	ToSqlSt	ring()	As		SqlString
16	[JScript]	public	function	ToSql	String()	:	i	SqlString;
17								
18	Description	on						
19	[
20	То	String						
21		`						
22	[C#]	public		erride	string			oString();
23	[C++]	_	oublic:		ing*			oString();
24	[VB]		Public	Function	ToString			String
25	[JScript]	public	override	function	ToStrin	g()	:	String;

Description [.][.] 3 SqlString structure (System.Data.SqlTypes) **ToString** 5 6 7 Description 8 Represents a variable-length stream of characters to be stored in or 9 retrieved from the database. 10 **ToString** 11 12 public readonly [C#] static 13 static [C++]public: 14 ReadOnly Public Shared [VB] 15 [JScript] public static var 16 17 Description 18 19 than its alphabetic value. 20 21 the System.Data.SqlTypes.SqlString class. 22 **ToString** 23 24

BinarySort; int BinarySort; int BinarySort Integer **BinarySort** int; Specifies that sorts should be based on a characters numeric value rather System.Data.SqlTypes.SqlString.BinarySort functions as a constant for IgnoreCase; readonly [C#] public static int 1227 MS1-864US.APP

[C++]public: static int IgnoreCase; [VB] **Public** Shared ReadOnly IgnoreCase As Integer [JScript] public static IgnoreCase int; var

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Specifies that SqlString comparisons should ignore case.

System.Data.SqlTypes.SqlString.IgnoreCase functions as a constant for the System.Data.SqlTypes.SqlString class.

ToString

[C#] public readonly IgnoreKanaType; static int public: static int IgnoreKanaType; [C++][VB] **Public** Shared ReadOnly IgnoreKanaType As Integer [JScript] public static IgnoreKanaType int; var

Description

Specifies that the string comparison must ignore the Kana type. Kana type refers to Japanese hiragana and katakana characters, which represent phonetic sounds in the Japanese language. Hiragana is used for native Japanese expressions and words, while katakana is used for words borrowed from other languages, such as "computer" or "internet". A phonetic sound can be expressed in both hiragana and katakana. If this value is selected, the hiragana character for one sound is considered equal to the katakana character for the same sound.

System.Data.SqlTypes.SqlString.IgnoreKanaType functions as a constant for the System.Data.SqlTypes.SqlString class.

ToString

[C#] public static readonly int IgnoreNonSpace; [C++]public: static int IgnoreNonSpace; [VB] **Public IgnoreNonSpace** Shared ReadOnly As Integer [JScript] public IgnoreNonSpace static var int;

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

Specifies that the string comparison must ignore nonspace combining characters, such as diacritics. The Unicode Standard defines combining characters as characters that are combined with base characters to produce a new character. Non-space combining characters do not take up character space by themselves when rendered. For more information on non-space combining characters, see the Unicode Standard at http://www.unicode.org.

System.Data.SqlTypes.SqlString.IgnoreNonSpace functions as a constant for the System.Data.SqlTypes.SqlString class.

ToString

readonly [C#] public static int IgnoreWidth; public: [C++]static IgnoreWidth; int [VB] Public Shared ReadOnly IgnoreWidth As Integer [JScript] public static IgnoreWidth int; var

Description

25

.13

Specifies that the string comparison must ignore the character width. For example, Japanese katakana characters can be written as full-width or half-width and, if this value is selected, the katakana characters written as full-width are considered equal to the same characters written in half-width.

System.Data.SqlTypes.SqlString.IgnoreWidth functions as a constant for the System.Data.SqlTypes.SqlString class.

ToString

[C#]	public	static	readonly	\$	SqlString	Null;
[C++]	publ	ic:	static	SqlString		Null;
[VB]	Public	Shared	ReadOnly	Null	As	SqlString
[JScript]	public	static	var	Null	:	SqlString;

Description

Represents a null value that can be assigned to the System.Data.SqlTypes.SqlString.Value property of an instance of the System.Data.SqlTypes.SqlString structure.

Null functions as a constant for the SqlString structure.

SqlString

Example Syntax:

ToString

data);		ring(string	SqlStr	public		[C#]
data);		ing(String*	SqlStri	public:		[C++]
String)	As	data	New(ByVal	Sub	Public	[VB]

lee@hayes.px 509-324-9366 1230 M51-864US.APP

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

char

[JScript] public function SqlString(data String); Description Initializes a new instance of the System.Data.SqlTypes.SqlString structure using the specified string. The string to store. **SqlString** Example Syntax: **ToString** SqlString(string [C#] public data, int lcid); SqlString(String* lcid); [C++]public: data, int [VB] Public Sub New(ByVal data As String, ByVal lcid As Integer) public function SqlString(data lcid [JScript] String, int); Description Initializes a new instance of the System.Data.SqlTypes.SqlString structure using the specified string and locale id values. The string to store. Specifies the geographical locale and language for the new SqlString structure. SqlString Example Syntax: **ToString** [C#] public SqlString(int lcid, SqlCompareOptions compareOptions, byte[] data); [C++] public: SqlString(int lcid, SqlCompareOptions compareOptions, unsigned

data

_gc[]);

MS1-864US.APP

[VB] Public Sub New(ByVal lcid As Integer, ByVal compareOptions As SqlCompareOptions, ByVal data() As Byte)

[JScript] public function SqlString(lcid : int, compareOptions : SqlCompareOptions, data : Byte[]);

Description

Initializes a new instance of the **System.Data.SqlTypes.SqlString** structure using the specified locale id, compare options, and data. Specifies the geographical locale and language for the new **SqlString** structure. Specifies the compare options for the new **SqlString** structure. The data array to store.

SqlString

Example Syntax:

ToString

[C#] public SqlString(string data, int lcid, SqlCompareOptions compareOptions); [C++] public: SqlString(String* data, int lcid, SqlCompareOptions compareOptions);

[VB] Public Sub New(ByVal data As String, ByVal lcid As Integer, ByVal compareOptions

As SqlCompareOptions)

[JScript] public function SqlString(data : String, lcid : int, compareOptions : SqlCompareOptions);

Description

Initializes a new instance of the System.Data.SqlTypes.SqlString structure using the specified string, locale id, and compare option values. The

lee@hayes pt. 509-324-9256 1232 MS1-864US.APP

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

string to store. Specifies the geographical locale and language for the new SqlString structure. Specifies the compare options for the new SqlString structure.

SqlString

Example Syntax:

ToString

[C#] public SqlString(int lcid, SqlCompareOptions compareOptions, byte[] data, bool fUnicode); [C++] public: SqlString(int lcid, SqlCompareOptions compareOptions, unsigned data bool fUnicode); char gc[], [VB] Public Sub New(ByVal lcid As Integer, ByVal compareOptions As-SqlCompareOptions, ByVal data() As Byte, ByVal fUnicode As Boolean) public function compareOptions [JScript] SqlString(lcid int, SqlCompareOptions, fUnicode Boolean); data : Byte[],

Description

Initializes a new instance of the **System.Data.SqlTypes.SqlString** class. Specifies the geographical locale and language for the new **SqlString** structure. Specifies the compare options for the new **SqlString** structure. The data array to store. **true** if Unicode encoded, otherwise **false**.

SqlString

Example Syntax:

ToString

lee@hayes ≠ 509-324-9256 1233 MS1-864US.APP

5

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

[C#] public SqlString(int lcid, SqlCompareOptions compareOptions, byte[] data, int index, int count); [C++] public: SqlString(int lcid, SqlCompareOptions compareOptions, unsigned char data gc[], int index, int count); [VB] Public Sub New(ByVal lcid As Integer, ByVal compareOptions As SqlCompareOptions, ByVal data() As Byte, ByVal index As Integer, ByVal count Integer) As public function SqlString(lcid [JScript] int. compareOptions SqlCompareOptions, data: Byte[], index: int, count: int); Initializes a new of class. instance the System.Data.SqlTypes.SqlString

Description

Initializes a new instance of the **System.Data.SqlTypes.SqlString** class. Specifies the geographical locale and language for the new **SqlString** structure. Specifies the compare options for the new **SqlString** structure. The data array to store. The starting index within the array. The number of characters from index to copy.

SqlString

Example Syntax:

ToString

[C#] public SqlString(int lcid, SqlCompareOptions compareOptions, byte[] data, int index, int count, bool fUnicode);
[C++] public: SqlString(int lcid, SqlCompareOptions compareOptions, unsigned

lee⊗hayes ps. 509-1249256 1234 MS1-864US.APP

char	data		gc[],	int	ind	ex,	int	count,	bool	fUnico	de);
[VB]	Public	Sub	New(E	ByVal	lcid	As	Integer,	ByVal	compare	Options	As
SqlCo	mpareC	ption	s, ByVa	ıl data	() As	Byte	, ByVal	index As	Integer,	ByVal co	ount
As	In	teger,		ByV	al		fUnicod	e	As	Boole	ean)
[JScrip	pt] p	ublic	funct	ion	SqlSt	ring	(lcid :	int,	compare	Options	:
SqlCo	mpareC	Option	s, data	: Byte	[], ind	dex :	int, cou	ınt : int,	fUnicode	: Boole	an);

Description

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Initializes a new instance of the **System.Data.SqlTypes.SqlString** class. Specifies the geographical locale and language for the new **SqlString** structure. Specifies the compare options for the new **SqlString** structure. The data array to store. The starting index within the array. The number of characters from index to copy. **true** if Unicode encoded, otherwise **false**.

CompareInfo

ToString

```
[C#]
             public
                            CompareInfo
                                                 CompareInfo
                                                                       {get;}
                                      CompareInfo*
                                                          get_CompareInfo();
[C++]
           public:
                       property
                 ReadOnly
                                          CompareInfo
                                                               CompareInfo
        Public
[VB]
                              Property
                                                          As
[JScript]
            public
                      function
                                        CompareInfo()
                                                               CompareInfo;
                                 get
```

Description

[.][.]

CultureInfo

ToString

lee@hayes.px 59-32+9256 1235 MS1-864US.APP

public CultureInfo CultureInfo [C#] {get;} CultureInfo* [C++]public: property get CultureInfo(); Public ReadOnly CultureInfo CultureInfo [VB] Property As public function get CultureInfo() CultureInfo; [JScript] 5 6 Description 7 [.][.] 8 IsNull 9 **ToString** 10 11 [C#] public bool IsNull {get;} 12 public: bool get IsNull(); [C++]property 13 [VB] **Public** ReadOnly **Property** IsNull As Boolean 14 [JScript] public function IsNull() Boolean; get 15 16 Description 17 Indicates whether the System.Data.SqlTypes.SqlString.Value of the 18 System.Data.SqlTypes.SqlString is System.Data.SqlTypes.SqlString.Null . 19 **LCID** 20 **ToString** 21 22 public [C#] **LCID** int {get;} 23 get LCID(); public: int [C++]property 24 ReadOnly Property [VB] Public LCID As Integer 25

[JScript] function public LCID() get int; 2 Description 3 Specifies the geographical locale and language for the SqlString structure. 4 **SqlCompareOptions** 5 **ToString** 6 7 [C#] public **SqlCompareOptions SqlCompareOptions** {get;} 8 [C++]public: property SqlCompareOptions get SqlCompareOptions(); 9 [VB] Public ReadOnly Property SqlCompareOptions As SqlCompareOptions 10 [JScript] public function get SqlCompareOptions() : SqlCompareOptions; 11 12 Description 13 [.][.]14 Value 15 **ToString** 16 17 public Value [C#] string {get;} 18 public: String* [C++]get Value(); property 19 [VB] Public ReadOnly Value String **Property** As 20 [JScript] function Value() public get String; 21 22 Description 23 Gets the string that is stored in this System.Data.SqlTypes.SqlString 24 structure. This property is read-only. 25

Clone 2 [C#] public SqlString Clone(); 3 [C++]public: SqlString Clone(); 4 SqlString **Public Function** Clone() [VB] As 5 function [JScript] public Clone() SqlString; 6 7 Description 8 copy of this System.Data.SqlTypes.SqlString 9 Return Value: A new System.Data.SqlTypes.SqlString object in which all 10 property values are the same as the original. 11 CompareOptionsFromSqlCompareOptions 12 13 CompareOptions [C#] public static 14 CompareOptionsFromSqlCompareOptions(SqlCompareOptions compareOptions); 15 [C++]public: static CompareOptions 16 CompareOptionsFromSqlCompareOptions(SqlCompareOptions compareOptions); 17 [VB] Public Shared Function CompareOptionsFromSqlCompareOptions(ByVal 18 SqlCompareOptions) compareOptions As As CompareOptions 19 public static function [JScript] 20 CompareOptionsFromSqlCompareOptions(compareOptions 21 SqlCompareOptions) CompareOptions; 22 23 Description 24 [.] 25

1	CompareTo
2	
3	[C#] public int CompareTo(object value);
4	[C++] public:sealed int CompareTo(Object* value);
5	[VB] NotOverridable Public Function CompareTo(ByVal value As Object) As
6	Integer
7	[JScript] public function CompareTo(value : Object) : int;
8	
9	Description
10	Compares this instance of System.Data.SqlTypes.SqlString to the
11	supplied object and returns an indication of their relative values
12	Return Value: A signed number indicating the relative values of the instance and
13	the object. The object to be compared.
14	Concat
15	
16	[C#] public static SqlString Concat(SqlString x, SqlString y);
17	[C++] public: static SqlString Concat(SqlString x, SqlString y);
18	[VB] Public Shared Function Concat(ByVal x As SqlString, ByVal y As
19	SqlString) As SqlString
20	[JScript] public static function Concat(x : SqlString, y : SqlString) : SqlString;
21	
22	Description
23	

Equals

[C#]	public	override	bool	Equals(object	ct value)
[C++]	public:	pooj		Equals(Object*	value)
[VB] Ove	rrides Public	Function Equ	als(ByVa	ıl value As Objec	ct) As Boolean
[JScript]	public over	ride function	Equals	(value : Object) : Boolean
Description	n				
•		ne supplied	obj	ect parameter	to the
System.Da	ita.SqlTypes	.SqlString.Valu	ie	property	of the
System.Da	ita.SqlTypes	SqlString			object
Return Vo	alue: Equals	will return	true if	the object is a	in instance of
System.Da	ta.SqlTypes	SqlString and	the two	are equal; otherw	vise false . The
object to be	e compared.		٠		
Equ	als				
[C#] pub	lic static 1	new SqlBoole	an Equ	als(SqlString x,	SqlString y)
[C++] pt	ublic: statio	SqlBoolean	Equals	s(SqlString x,	SqlString y)
[VB] Shad	ows Public S	hared Function	Equals(E	ByVal x As SqlStri	ng, ByVal y As
SqlString)			As		SqlBoolear
[JScript] p	oublic static	hide function	Equals(x : SqlString, y	: SqlString)
SqlBoolean	ı;				
Description	n				
[.]					
Getl	HashCode				

public override GetHashCode(); [C#] int 2 GetHashCode(); [C++]public: int 3 Overrides Public **Function** GetHashCode() Integer [VB] As 4 [JScript] public override function GetHashCode() int; 5 6 Description 7 the hash for this Gets code instance. 8 Return Value: A 32-bit signed integer hash code. 9 **GetNonUnicodeBytes** 10 11 GetNonUnicodeBytes(); [C#] public byte[] 12 public: unsigned char GetNonUnicodeBytes() [C++]__gc[]; 13 **Function** GetNonUnicodeBytes() [VB] Public As Byte() 14 [JScript] public function GetNonUnicodeBytes() Byte[]; 15 16 Description 17 Returns an array of bytes, containing the contents of the 18 System.Data.SqlTypes.SqlString in **ANSI** format. 19 containing Return Value: byte array, the contents the An 20 System.Data.SqlTypes.SqlString in ANSI format. 21 GetUnicodeBytes 22 23 GetUnicodeBytes(); public byte[] [C#] 24 public: unsigned char GetUnicodeBytes() __gc[]; [C++]25

[VB]	Public	Function	GetUnicodeBy	rtes()	As	Byte()
[JScript]	public	function	GetUnicodel	3ytes()	:	Byte[];
Description	on					
Ret	turns an a	array of byt	es, containing	the	contents	of the
System.D	ata.SqlType:	s.SqlString	in	Unice	ode	format.
Return	Value: An	byte array	, containing	the	contents	of the
System.D	ata.SqlType:	s.SqlString in U	Inicode format.			
Gre	eaterThan					
[C#] pu	blic static	SqlBoolean (GreaterThan(SqlS	String	x, SqlS	tring y);
[C++] p	ublic: static	SqlBoolean	GreaterThan(Sq	String	x, SqlS	tring y);
[VB] Pub	lic Shared F	unction Greater	rThan(ByVal x	As Sql	String, By	Val y As
SqlString)			As		So	qlBoolean
[JScript]	public static	function Gre	aterThan(x : So	qlString	g, y : Sq	lString) :
SqlBoolea	nn;					
Description	on		•			
[-	.]					
Gre	eaterThanOrE	Equal				
[C#] pub	lic static Sq	Boolean Great	erThanOrEqual(SqlStri	ng x, Sql	String y);
[C++] pu	blic: static S	qlBoolean Grea	nterThanOrEqual	(SqlStr	ing x, Sql	String y);
[VB] Pub	lic Shared Fu	inction Greater	ThanOrEqual(By	Val x	As SqlStrir	ng, ByVal
у	As	SqlStrir	ng)	A s	So	qlBoolean

1	[JScript] public static function GreaterThanOrEqual(x : SqlString, y : SqlString) :
2	SqlBoolean;
3	
4	Description
5	[.]
6	LessThan
7	
8	[C#] public static SqlBoolean LessThan(SqlString x, SqlString y);
9	[C++] public: static SqlBoolean LessThan(SqlString x, SqlString y);
10	[VB] Public Shared Function LessThan(ByVal x As SqlString, ByVal y As
11	SqlString) As SqlBoolean
12	[JScript] public static function LessThan(x : SqlString, y : SqlString) :
13	SqlBoolean;
14	
15	Description
16	[.]
17	LessThanOrEqual
18	
19	[C#] public static SqlBoolean LessThanOrEqual(SqlString x, SqlString y);
20	[C++] public: static SqlBoolean LessThanOrEqual(SqlString x, SqlString y);
21	[VB] Public Shared Function LessThanOrEqual(ByVal x As SqlString, ByVal y
22	As SqlString) As SqlBoolean
23	[JScript] public static function LessThanOrEqual(x : SqlString, y : SqlString) :
24	SqlBoolean;
25	

1	
2	Description
3	[.]
4	NotEquals
5	
6	[C#] public static SqlBoolean NotEquals(SqlString x, SqlString y);
7	[C++] public: static SqlBoolean NotEquals(SqlString x, SqlString y);
8	[VB] Public Shared Function NotEquals(ByVal x As SqlString, ByVal y As
9	SqlString) As SqlBoolean
10	[JScript] public static function NotEquals(x : SqlString, y : SqlString) :
11	SqlBoolean;
12	
13	Description
14	[.]
15	op_Addition
16	
17	[C#] public static SqlString operator +(SqlString x, SqlString y);
18	[C++] public: static SqlString op_Addition(SqlString x, SqlString y);
19	[VB] returnValue = SqlString.op_Addition(x, y)
20	[JScript] returnValue = x + y;
21	
22	Description
23	Concatenates the two System.Data.SqlTypes.SqlString operands.
24	Return Value: A System.Data.SqlTypes.SqlString containing the newly
25	concatenated value representing the contents of the two

lee⊗hayes ≠ 509-324-9256 1244 MS1-864US.APP

System.Data.SqlTypes.SqlString parameters. Α System.Data.SqlTypes.SqlString. A System.Data.SqlTypes.SqlString. 2 op Equality 3 4 [C#] public static SqlBoolean operator == (SqlString x, SqlString 5 [C++] public: static SqlBoolean op Equality(SqlString x, SqlString 6 [VB] returnValue SqlString.op Equality(x, 7 y) [JScript] returnValue X у; 8 9 Description . 10 **Performs** logical comparison of the a two 11 System.Data.SqlTypes.SqlString operands to determine if they are equal. 12 Return Value: Α System.Data.SqlTypes.SqlBoolean that is 13 System.Data.SqlTypes.SqlBoolean.True if the two instances are equal or 14 System.Data.SqlTypes.SqlBoolean.False if the two instances are not equal. If 15 either instance of System.Data.SqlTypes.SqlString is null, the 16 System.Data.SqlTypes.SqlBoolean.Value of the 17 System.Data.SqlTypes.SqlBoolean will be 18 System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlString. 19 A System.Data.SqlTypes.SqlString. 20 op Explicit 21 22 SqlString(SqlBoolean [C#] public explicit static operator x); 23 [C++]public: static SqlString op Explicit(SqlBoolean x); 24 SalString.op Explicit(x) [VB] returnValue 25

[JScript] SqlString(x); returnValue 2 Description 3 Converts the System.Data.SqlTypes.SqlBit parameter to 4 System.Data.SqlTypes.SqlString 5 Return Value: A new System.Data.SqlTypes.SqlString containing the string 6 The System.Data.SqlTypes.SqlBit representation of the parameter. 7 System.Data.SqlTypes.SqlBit structure to be converted. 8 op Explicit 9 10 SqlString(SqlByte public static explicit operator [C#] x); 11 public: SqlString op Explicit(SqlByte [C++]static x); 12 [VB] SqlString.op Explicit(x) returnValue 13 SqlString(x); [JScript] returnValue 14 15 Description 16 Converts the supplied System.Data.SqlTypes.SqlByte structure to 17 System.Data.SqlTypes.SqlString 18 Return Value: A new System.Data.SqlTypes.SqlString object containing the 19 string representation of the System.Data.SqlTypes.SqlByte parameter. The 20 System.Data.SqlTypes.SqlByte structure to be converted. 21 op Explicit 22 23 SqlString(SqlDateTime public explicit operator [C#] static x); 24 public: SqlString op Explicit(SqlDateTime x); [C++]static 25

[VB] SqlString.op Explicit(x) returnValue [JScript] SqlString(x); returnValue 2 3 Description 4 Converts the supplied System.Data.SqlTypes.SqlDateTime parameter to 5 System.Data.SqlTypes.SqlString 6 Return Value: A new System.Data.SqlTypes.SqlString containing the string 7 representation of the System.Data.SqlTypes.SqlDateTime parameter. The 8 **System.Data.SqlTypes.SqlDateTime** structure to be converted. 9 op Explicit 10 11 SqlString(SqlDecimal [C#] public explicit operator x); static 12 op Explicit(SqlDecimal [C++]public: static SqlString x); 13 SqlString.op Explicit(x) [VB] returnValue 14 [JScript] returnValue SqlString(x);15 16 Description 17 Converts the supplied System.Data.SqlTypes.SqlDecimal parameter to 18 System.Data.SqlTypes.SqlString 19 Return Value: A new System.Data.SqlTypes.SqlString containing the string 20 representation of the System.Data.SqlTypes.SqlDecimal parameter. 21 op Explicit 22 23 public explicit SqlString(SqlDouble [C#] static operator x); 24 public: static SqlString op Explicit(SqlDouble x); [C++]25

lee@hayes ≠ 509-324-9256 1247 *MS1-864US.APP*

[VB] returnValue SqlString.op Explicit(x) [JScript] SqlString(x); returnValue 2 3 Description 4 Converts the supplied System.Data.SqlTypes.SqlDouble parameter to 5 System.Data.SqlTypes.SqlString 6 Return Value: A new System.Data.SqlTypes.SqlString containing the string 7 representation of the System.Data.SqlTypes.SqlDouble parameter. The 8 System.Data.SqlTypes.SqlDouble structure to be converted. 9 op Explicit 10 11 [C#] public static explicit operator SqlString(SqlGuid x); 12 [C++]public: static SqlString op Explicit(SqlGuid x); 13 [VB] returnValue SqlString.op Explicit(x) 14 [JScript] SqlString(x);returnValue 15 16 Description 17 Converts the supplied System.Data.SqlTypes.SqlGuid parameter to 18 System.Data.SqlTypes.SqlString . The System.Data.SqlTypes.SqlGuid 19 structure to be converted. 20 op Explicit 21 22 SqlString(SqlInt16 [C#] public explicit operator static x); 23 public: SqlString op Explicit(SqlInt16 [C++]static x); 24 [VB] returnValue SqlString.op Explicit(x) 25

[JScript] SqlString(x); returnValue 2 Description 3 Converts the supplied System.Data.SqlTypes.SqlInt16 parameter to 4 System.Data.SqlTypes.SqlString 5 Return Value: A new System.Data.SqlTypes.SqlString object containing the 6 string representation of the System.Data.SqlTypes.SqlInt16 parameter. The 7 System.Data.SqlTypes.SqlInt16 structure to be converted. 8 op Explicit 9 10 public SqlString(SqlInt32 [C#] static explicit operator x); 11 public: SqlString op Explicit(SqlInt32 [C++]static x); 12 SqlString.op Explicit(x) [VB] returnValue 13 returnValue SqlString(x);[JScript] 14 15 Description 16 Converts the supplied System.Data.SqlTypes.SqlInt32 parameter to 17 System.Data.SqlTypes.SqlString 18 Return Value: A new System.Data.SqlTypes.SqlString object containing the 19 string representation of the System.Data.SqlTypes.SqlInt32 parameter. The 20 SqlInt32 structure to be converted. 21 op Explicit 22 23 SqlString(SqlInt64 public explicit [C#] static operator x); 24 SqlString public: op Explicit(SqlInt64 x); [C++]static 25

[VB] returnValue = SqlString.op_Explicit(x)

[JScript] returnValue = SqlString(x);

Description

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Converts the supplied System.Data.SqlTypes.SqlInt64 parameter to System.Data.SqlTypes.SqlString .

Return Value: A new System.Data.SqlTypes.SqlString object containing the string representation of the System.Data.SqlTypes.SqlInt64 parameter. The System.Data.SqlTypes.SqlInt64 structure to be converted.

op_Explicit

[C#] public explicit SqlString(SqlMoney static operator · x); [C++]public: static SqlString op Explicit(SqlMoney x); [VB] returnValue SqlString.op Explicit(x) [JScript] SqlString(x); returnValue

Description

Converts the supplied **System.Data.SqlTypes.SqlMoney** parameter to **System.Data.SqlTypes.SqlString** .

Return Value: A new System.Data.SqlTypes.SqlString containing the string representation of the System.Data.SqlTypes.SqlMoney parameter. The System.Data.SqlTypes.SqlMoney structure to be converted.

op_Explicit

[C#] public static explicit operator SqlString(SqlSingle x);

[C++] public: static SqlString op_Explicit(SqlSingle x);
[VB] returnValue = SqlString.op_Explicit(x)

[JScript] returnValue = SqlString(x);

Description

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Converts the supplied System.Data.SqlTypes.SqlSingle parameter to System.Data.SqlTypes.SqlString

Return Value: A new System.Data.SqlTypes.SqlString containing the string representation of the System.Data.SqlTypes.SqlSingle parameter. The System.Data.SqlTypes.SqlSingle structure to be converted.

op_Explicit

public static explicit operator string(SqlString [C#] x); [C++] public: static String* op Explicit(); SqlString.op Explicit(x) returnValue [VB] [JScript] returnValue String(x);

Description

Converts a System.Data.SqlTypes.SqlString to a System.String

Return Value: A System.String , whose contents are the same as the

System.Data.SqlTypes.SqlString.Value property of the

System.Data.SqlTypes.SqlString parameter. The

System.Data.SqlTypes.SqlString to be converted.

op_GreaterThan

[C#] public static SqlBoolean operator >(SqlString x, SqlString y);
[C++] public: static SqlBoolean op_GreaterThan(SqlString x, SqlString y);
[VB] returnValue = SqlString.op_GreaterThan(x, y)
[JScript] returnValue = x > y;
Description
Performs a logical comparison of the two
System.Data.SqlTypes.SqlString operands to determine if the first is greater than
the second.
Return Value: A System.Data.SqlTypes.SqlBoolean that is
System.Data.SqlTypes.SqlBoolean.True if the first instance is greater than the
second instance, otherwise System.Data.SqlTypes.SqlBoolean.False . If either
instance of System.Data.SqlTypes.SqlString is null, the
System.Data.SqlTypes.SqlBoolean.Value of the
System.Data.SqlTypes.SqlBoolean will be
$System. Data. Sql Types. Sql Boolean. Null \ . \ A \ System. Data. Sql Types. Sql String.$
A System.Data.SqlTypes.SqlString.
op_GreaterThanOrEqual
[C#] public static SqlBoolean operator >=(SqlString x, SqlString y);
[C++] public: static SqlBoolean op_GreaterThanOrEqual(SqlString x, SqlString
y);
[VB] returnValue = SqlString.op_GreaterThanOrEqual(x, y)
[JScript] returnValue = $x >= y$;

ee⊗hayes ak 509-324-9256 1252 MS1-864US.APP

2	Description					
3	Performs a lo	gical c	omparison	of	the	two
4	System.Data.SqlTypes.SqlStri	ng operands	to determine	e if the first	is greater	than
5	or equal	to		the	sec	cond.
6	Return Value: A S	ystem.Data.	SqlTypes.S	qlBoolean	that	is
7	System.Data.SqlTypes.SqlBoo	lean.True if	f the first in	stance is g	reaater tha	ın or
8	equal to the second instance, ot	herwise Syst	em.Data.So	lTypes.Sql	Boolean.l	?alse
9	. If either instance of	System.Data	.SqlTypes.S	SqlString	is null,	the
10	System.Data.SqlTypes.SqlBoo	lean.Value		of		the
11	System.Data.SqlTypes.SqlBoo	lean		will		be
12	System.Data.SqlTypes.SqlBoo	lean.Null .	A System.l	Data.SqlTy	pes.SqlSt	ring.
13	A System.Data.SqlTypes.SqlS	tring.				
14	op_Implicit					
15						
16	[C#] public static	implicit	operator	SqlString	(string	x);
17	[C++] public: static	SqlStri	ing op	_Implicit(St	tring*	x);
18	[VB] returnValue	=	=	SqlString	.op_Implio	cit(x)
19	[JScript] retu	rnValue		=		x;
20						
21	Description					
22	Converts the	System.Str	r ing p	arameter	to	a
23	System.Data.SqlTypes.SqlStri	ng . The Sys	tem.Stringt	o be conver	ted.	
24	op_Inequality					
25						

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Description

```
public static SqlBoolean operator !=(SqlString x, SqlString
[C#]
[C++] public: static SqlBoolean op Inequality(SqlString x, SqlString y);
[VB]
            returnValue
                                         SqlString.op Inequality(x,
                                                                         y)
[JScript]
                 returnValue
                                                 X
                                                                         у;
Description
                           logical
                                                       of
                                                               the
      Performs
                                      comparison
                    a
                                                                       two
System.Data.SqlTypes.SqlString operands to determine if they are equal.
                            System.Data.SqlTypes.SqlBoolean
           Value:
                     Α
                                                                 that
                                                                         is
Return
System.Data.SqlTypes.SqlBoolean.True if the two instances are not equal or
System.Data.SqlTypes.SqlBoolean.False if the two instances are equal. If either
                                                                        the
           of
                   System.Data.SqlTypes.SqlString
                                                        is
                                                               null,
instance
System.Data.SqlTypes.SqlBoolean.Value
                                                      of
                                                                        the
                                                   will
System.Data.SqlTypes.SqlBoolean
                                                                        be
System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlString.
A System.Data.SqlTypes.SqlString.
      op LessThan
                               static
                                              SqlBoolean
[C#]
              public
                                                                   operator
[C++] public: static SqlBoolean op LessThan(SqlString x, SqlString y);
                                         SqlString.op LessThan(x,
[VB]
            returnValue
                                                                         y)
[JScript]
                 returnValue
                                                  X
                                                                         у;
```

lee@hayes ≠ 509-324-9256 1254 MS1-864US.APP

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

20

21

22

23

24

25

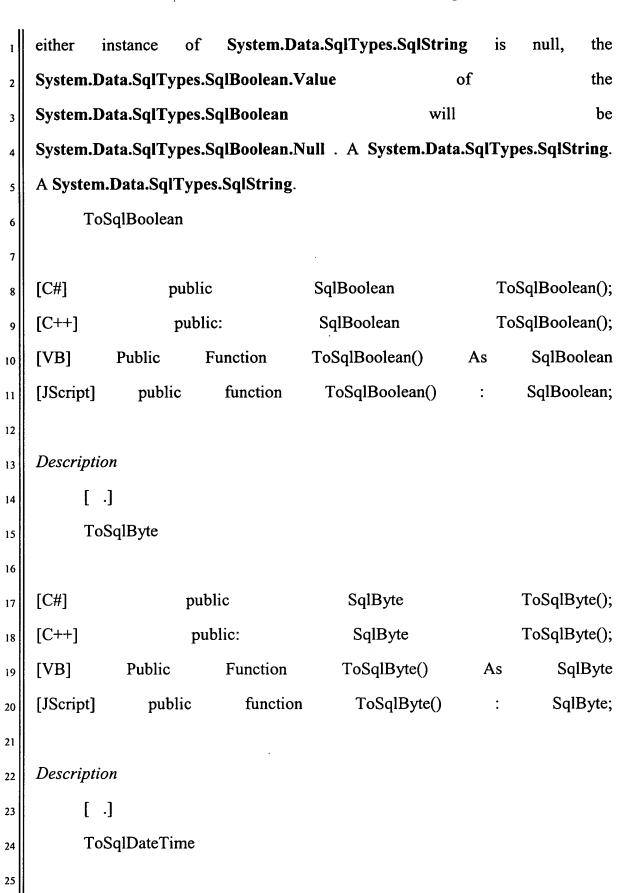
Performs logical comparison of the two a System.Data.SqlTypes.SqlString operands to determine if the first is less than the second. Value: Α System.Data.SqlTypes.SqlBoolean that is Return System.Data.SqlTypes.SqlBoolean.True if the first instance is less than the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If either instance of System.Data.SqlTypes.SqlString is null, the of System.Data.SqlTypes.SqlBoolean.Value the System.Data.SqlTypes.SqlBoolean will be System.Data.SqlTypes.SqlBoolean.Null . A System.Data.SqlTypes.SqlString. A System.Data.SqlTypes.SqlString.

op_LessThanOrEqual

[C#] public static SqlBoolean operator <=(SqlString x, SqlString y);
[C++] public: static SqlBoolean op_LessThanOrEqual(SqlString x, SqlString y);
[VB] returnValue = SqlString.op_LessThanOrEqual(x, y)
[JScript] returnValue = x <= y;

19 Description

logical comparison of the **Performs** a two System.Data.SqlTypes.SqlString operands to determine if the first is less than or the equal to second. System.Data.SqlTypes.SqlBoolean Value: Return Α that. is System.Data.SqlTypes.SqlBoolean.True if the first instance is less than or equal to the second instance, otherwise System.Data.SqlTypes.SqlBoolean.False. If



1									
2	[C#] public S		SqlDateTime	ToSqlDateTime();					
3	[C++] public:		SqlDateTime	ToSqlDateTime();					
4	[VB]	Public	Function	ToSqlDateTime()	As	SqlDateTime			
5	[JScript]	public	function	ToSqlDateTime()	:	SqlDateTime;			
6									
7	Description	on							
8	[-	.]							
9	To	SqlDecimal							
10									
11	[C#]	pul	olic	SqlDecimal	T	oSqlDecimal();			
12	[C++] public:		SqlDecimal	ToSqlDecimal(
13	[VB]	Public	Function	ToSqlDecimal()	As	SqlDecimal			
14	[JScript]	public	function	ToSqlDecimal()	:	SqlDecimal;			
15									
16	Description								
17	[.]								
18	To	SqlDouble							
19									
20	[C#] public		SqlDouble	ToSqlDouble()					
21	[C++] public:		SqlDouble		ToSqlDouble();				
22	[VB]	Public	Function	ToSqlDouble()	As	SqlDouble			
23	[JScript]	public	function	ToSqlDouble()	:	SqlDouble;			
24									
25	Description	on							

[JScript] public function ToSqlGuid() : SqlGuid() : Sq								
4 [C#] public SqlGuid ToSqlGuid 5 [C++] public: SqlGuid ToSqlGuid 6 [VB] Public Function ToSqlGuid() As SqlGuid 7 [JScript] public function ToSqlGuid() : SqlGuid 8 Pescription [.] ToSqlInt16 ToSqlInt1 10 [C#] public SqlInt16 ToSqlInt1 12 [C++] public: SqlInt16 ToSqlInt1	ToSqlGuid							
5 [C++] public: SqlGuid ToSqlGuid 6 [VB] Public Function ToSqlGuid() As SqlGuid() 7 [JScript] public function ToSqlGuid() : SqlGuid() 8 pescription [] .] ToSqlInt16 11 ToSqlInt16 ToSqlInt1 12 public: SqlInt16 ToSqlInt1 14 [C++] public: SqlInt16 ToSqlInt1								
[VB] Public Function ToSqlGuid() As SqlGuid() [JScript] public function ToSqlGuid() : SqlGuid() [JScript] public function ToSqlGuid() : SqlGuid() [JScript] public function ToSqlGuid() : SqlGuid() [JScript] public SqlInt16 [C#] public SqlInt16 ToSqlInt1 [C++] public: SqlInt16 ToSqlInt1	ublic SqlGuid ToSqlG	uid();						
[JScript] public function ToSqlGuid() : SqlGuid() : Sq	oublic: SqlGuid ToSqlG	uid();						
Description	Function ToSqlGuid() As Sql	lGuid						
9 Description 10 [.] 11 ToSqlInt16 12 [C#] public SqlInt16 ToSqlInt1 14 [C++] public: SqlInt16 ToSqlInt1	function ToSqlGuid() : Sql	Guid;						
10 [.] 11 ToSqlInt16 12 [C#] public SqlInt16 ToSqlInt1 14 [C++] public: SqlInt16 ToSqlInt1								
ToSqlInt16 12 public SqlInt16 ToSqlInt1 13 [C#] public SqlInt16 ToSqlInt1 14 [C++] public SqlInt16 ToSqlInt1								
12 13 [C#] public SqlInt16 ToSqlInt1 14 [C++] public: SqlInt16 ToSqlInt1								
[C#] public SqlInt16 ToSqlInt1 [C++] public: SqlInt16 ToSqlInt1								
[C++] public: SqlInt16 ToSqlInt1								
	[C#] public SqlInt16 ToSqlInt16();							
	oublic: SqlInt16 ToSqlIn	ToSqlInt16();						
[VB] Public Function ToSqlInt16() As SqlIn	Function ToSqlInt16() As Sql	lInt16						
[JScript] public function ToSqlInt16() : SqlInt	function ToSqlInt16() : SqlI	Int16;						
17								
18 Description	Description							
19 [.]	[.]							
ToSqlInt32								
21								
[C#] public SqlInt32 ToSqlInt3	ublic SqlInt32 ToSqlInt	t32();						
[C++] public: SqlInt32 ToSqlInt3	oublic: SqlInt32 ToSqlInt	t32();						
[VB] Public Function ToSqlInt32() As SqlIn	Function ToSqlInt32() As Sql	lInt32						
[JScript] public function ToSqlInt32() : SqlInt	function ToSqlInt32() : SqlI	Int32;						

	₁									
	2	Description	η							
	3	[.]								
	4	ToSqlInt64								
	5		•							
	6	[C#]	pu	blic	SqlInt64		ToSqlInt64();			
	7	[C++] public:		ıblic:	SqlInt64		ToSqlInt64();			
	8	[VB]	Public	Function	ToSqlInt64()	As	SqlInt64			
1- 1 1 1 1 1 1 1 1	9	[JScript]	public	function	ToSqlInt64()	:	SqlInt64;			
	10									
	11	Description								
	12	[]								
	13	ToS	qlMoney							
	14									
	15	[C#]	pub	lic	SqlMoney	T	oSqlMoney();			
	16	[C++]	pul	olic:	SqlMoney	T	oSqlMoney();			
	17	[VB]	Public	Function	ToSqlMoney()	As	SqlMoney			
	18	[JScript]	public	function	ToSqlMoney()	:	SqlMoney;			
	19	į								
	20	Description	n							
	21	[.]			·					
	22	ToS	qlSingle							
	23									
	24	[C#]	pub	olic	SqlSingle	Т	oSqlSingle();			
	25	[C++]	pu	blic:	SqlSingle	Т	oSqlSingle();			
					•					

lee@hayes ≠ 509-324-9256 1259 *MS1-864US.APP*

[VB] **Public** ToSqlSingle() SqlSingle **Function** As [JScript] public function ToSqlSingle() SqlSingle; 2 3 Description 4 [.] 5 **ToString** 6 7 ToString(); [C#] string public override 8 public: String* ToString(); [C++]9 [VB] Overrides Public **Function** ToString() As String 10 public override function ToString() String; [JScript] : Converts 11 System.Data.SqlTypes.SqlString object System.String to a 12 13 Description . 14 Converts a System.Data.SqlTypes.SqlString object to a System.String. 15 SqlTruncateException class (System.Data.SqlTypes) 16 **ToString** 17 18 19 Description 20 The exception that is thrown when setting a value into a **SqlType** structure 21 would truncate that value. 22 SqlTruncateException 23 Example Syntax: 24 **ToString** 25

1							
2	[C#]		pub	olic	SqlTr	uncateExc	ception();
3	[C++] pul			blic: SqlT		runcateException();	
4	[VB] Public				Sub New		
5	[JScript] public function SqlTruncateException(); Initializes a new instance of the						
6	System.Data.SqlTypes.SqlTruncateException class					class.	
7							
8	Description	on					
9	Ini	tializes	a	new	instance	of	the
10	System.Data.SqlTypes.SqlTruncateException class with default properties.						
11	SqlTruncateException						
12	Example Syntax:						
13	ToString						
14	50/12			a 15			,
15	[C#]	publi		SqlTruncateEx			nessage);
16	[C++]	publi			ception(String*		nessage);
17	[VB]	Public	Sub	New(ByVal	message	As	String)
18	[JScript]	public	function	Sqrruncater	Exception(messa	ge :	String);
19	Description	o <i>n</i>					
20	•	tializes	a	new	instance	of	the
21					class with a		
23					ason for the exce		
24	_	lpLink	<i>3</i>			•	
25		Result					

ı	InnerException
2	Message
3	Source
4	StackTrace
5	TargetSite
6	ISerializable.GetObjectData
7	
8	[C#] void ISerializable.GetObjectData(SerializationInfo si, StreamingContext
9	context);
10	[C++] void ISerializable::GetObjectData(SerializationInfo* si, StreamingContext
11	context);
12	[VB] Sub GetObjectData(ByVal si As SerializationInfo, ByVal context As
13	StreamingContext) Implements ISerializable.GetObjectData
14	[JScript] function ISerializable.GetObjectData(si : SerializationInfo, context :
15	StreamingContext);
16	SqlTypeException class (System.Data.SqlTypes)
17	ToString
18	
19	
20	Description
21	The base exception class for the System.Data.SqlTypes.
22	SqlTypeException
23	Example Syntax:
24	ToString
25	

[C#]	public	C	SqlTypeException(string			message);
[C++]	publi	c:	SqlTypeException(String*			message);
[VB]	Public	Sub	New(ByVal	message	As	String)
[JScript]	public	function	SqlTypeEx	ception(message	:	String);

Description

Initializes a new instance of the System.Data.SqlTypes.SqlTypeException

of stering action of 1 people of 1 people of

EXEMPLARY COMPUTING SYSTEM AND ENVIRONMENT

Fig. 4 illustrates an example of a suitable computing environment 400 within which the programming framework 132 may be implemented (either fully or partially). The computing environment 400 may be utilized in the computer and network architectures described herein.

The exemplary computing environment 400 is only one example of a computing environment and is not intended to suggest any limitation as to the scope of use or functionality of the computer and network architectures. Neither should the computing environment 400 be interpreted as having any dependency or requirement relating to any one or combination of components illustrated in the exemplary computing environment 400.

The framework 132 may be implemented with numerous other general purpose or special purpose computing system environments or configurations. Examples of well known computing systems, environments, and/or configurations

that may be suitable for use include, but are not limited to, personal computers, server computers, multiprocessor systems, microprocessor-based systems, network PCs, minicomputers, mainframe computers, distributed computing environments that include any of the above systems or devices, and so on. Compact or subset versions of the framework may also be implemented in clients of limited resources, such as cellular phones, personal digital assistants, handheld computers, or other communication/computing devices.

The framework 132 may be described in the general context of computer-executable instructions, such as program modules, being executed by one or more computers or other devices. Generally, program modules include routines, programs, objects, components, data structures, etc. that perform particular tasks or implement particular abstract data types. The framework 132 may also be practiced in distributed computing environments where tasks are performed by remote processing devices that are linked through a communications network. In a distributed computing environment, program modules may be located in both local and remote computer storage media including memory storage devices.

The computing environment 400 includes a general-purpose computing device in the form of a computer 402. The components of computer 402 can include, by are not limited to, one or more processors or processing units 404, a system memory 406, and a system bus 408 that couples various system components including the processor 404 to the system memory 406.

The system bus 408 represents one or more of several possible types of bus structures, including a memory bus or memory controller, a peripheral bus, an accelerated graphics port, and a processor or local bus using any of a variety of bus architectures. By way of example, such architectures can include an Industry

lee@hayes ≠ 509-324-926 1264 MS1-864US.APP

Standard Architecture (ISA) bus, a Micro Channel Architecture (MCA) bus, an Enhanced ISA (EISA) bus, a Video Electronics Standards Association (VESA) local bus, and a Peripheral Component Interconnects (PCI) bus also known as a Mezzanine bus.

Computer 402 typically includes a variety of computer readable media. Such media can be any available media that is accessible by computer 402 and includes both volatile and non-volatile media, removable and non-removable media.

The system memory 406 includes computer readable media in the form of volatile memory, such as random access memory (RAM) 410, and/or non-volatile memory, such as read only memory (ROM) 412. A basic input/output system (BIOS) 414, containing the basic routines that help to transfer information between elements within computer 402, such as during start-up, is stored in ROM 412. RAM 410 typically contains data and/or program modules that are immediately accessible to and/or presently operated on by the processing unit 404.

Computer 402 may also include other removable/non-removable, volatile/non-volatile computer storage media. By way of example, Fig. 4 illustrates a hard disk drive 416 for reading from and writing to a non-removable, non-volatile magnetic media (not shown), a magnetic disk drive 418 for reading from and writing to a removable, non-volatile magnetic disk 420 (e.g., a "floppy disk"), and an optical disk drive 422 for reading from and/or writing to a removable, non-volatile optical disk 424 such as a CD-ROM, DVD-ROM, or other optical media. The hard disk drive 416, magnetic disk drive 418, and optical disk drive 422 are each connected to the system bus 408 by one or more data media interfaces 426. Alternatively, the hard disk drive 416, magnetic disk drive 418,

lee@hayes.px 509-324-9256 1265 MS1-864US.APP

and optical disk drive 422 can be connected to the system bus 408 by one or more interfaces (not shown).

The disk drives and their associated computer-readable media provide non-volatile storage of computer readable instructions, data structures, program modules, and other data for computer 402. Although the example illustrates a hard disk 416, a removable magnetic disk 420, and a removable optical disk 424, it is to be appreciated that other types of computer readable media which can store data that is accessible by a computer, such as magnetic cassettes or other magnetic storage devices, flash memory cards, CD-ROM, digital versatile disks (DVD) or other optical storage, random access memories (RAM), read only memories (ROM), electrically erasable programmable read-only memory (EEPROM), and the like, can also be utilized to implement the exemplary computing system and environment.

Any number of program modules can be stored on the hard disk 416, magnetic disk 420, optical disk 424, ROM 412, and/or RAM 410, including by way of example, an operating system 426, one or more application programs 428, other program modules 430, and program data 432. Each of the operating system 426, one or more application programs 428, other program modules 430, and program data 432 (or some combination thereof) may include elements of the programming framework 132.

A user can enter commands and information into computer 402 via input devices such as a keyboard 434 and a pointing device 436 (e.g., a "mouse"). Other input devices 438 (not shown specifically) may include a microphone, joystick, game pad, satellite dish, serial port, scanner, and/or the like. These and other input devices are connected to the processing unit 404 via input/output

lee@hayes ps 509-1249256 MS1-864US.APP

interfaces 440 that are coupled to the system bus 408, but may be connected by other interface and bus structures, such as a parallel port, game port, or a universal serial bus (USB).

A monitor 442 or other type of display device can also be connected to the system bus 408 via an interface, such as a video adapter 444. In addition to the monitor 442, other output peripheral devices can include components such as speakers (not shown) and a printer 446 which can be connected to computer 402 via the input/output interfaces 440.

Computer 402 can operate in a networked environment using logical connections to one or more remote computers, such as a remote computing device 448. By way of example, the remote computing device 448 can be a personal computer, portable computer, a server, a router, a network computer, a peer device or other common network node, and so on. The remote computing device 448 is illustrated as a portable computer that can include many or all of the elements and features described herein relative to computer 402.

Logical connections between computer 402 and the remote computer 448 are depicted as a local area network (LAN) 450 and a general wide area network (WAN) 452. Such networking environments are commonplace in offices, enterprise-wide computer networks, intranets, and the Internet.

When implemented in a LAN networking environment, the computer 402 is connected to a local network 450 via a network interface or adapter 454. When implemented in a WAN networking environment, the computer 402 typically includes a modem 456 or other means for establishing communications over the wide network 452. The modem 456, which can be internal or external to computer 402, can be connected to the system bus 408 via the input/output interfaces 440 or



other appropriate mechanisms. It is to be appreciated that the illustrated network connections are exemplary and that other means of establishing communication link(s) between the computers 402 and 448 can be employed.

In a networked environment, such as that illustrated with computing environment 400, program modules depicted relative to the computer 402, or portions thereof, may be stored in a remote memory storage device. By way of example, remote application programs 458 reside on a memory device of remote computer 448. For purposes of illustration, application programs and other executable program components such as the operating system are illustrated herein as discrete blocks, although it is recognized that such programs and components reside at various times in different storage components of the computing device 402, and are executed by the data processor(s) of the computer.

An implementation of the framework 132, and particularly, the API 142 or calls made to the API 142, may be stored on or transmitted across some form of computer readable media. Computer readable media can be any available media that can be accessed by a computer. By way of example, and not limitation, computer readable media may comprise "computer storage media" and "communications media." "Computer storage media" include volatile and non-volatile, removable and non-removable media implemented in any method or technology for storage of information such as computer readable instructions, data structures, program modules, or other data. Computer storage media includes, but is not limited to, RAM, ROM, EEPROM, flash memory or other memory technology, CD-ROM, digital versatile disks (DVD) or other optical storage, magnetic cassettes, magnetic tape, magnetic disk storage or other magnetic storage



devices, or any other medium which can be used to store the desired information and which can be accessed by a computer.

"Communication media" typically embodies computer readable instructions, data structures, program modules, or other data in a modulated data signal, such as carrier wave or other transport mechanism. Communication media also includes any information delivery media. The term "modulated data signal" means a signal that has one or more of its characteristics set or changed in such a manner as to encode information in the signal. By way of example, and not limitation, communication media includes wired media such as a wired network or direct-wired connection, and wireless media such as acoustic, RF, infrared, and other wireless media. Combinations of any of the above are also included within the scope of computer readable media.

Alternatively, portions of the framework may be implemented in hardware or a combination of hardware, software, and/or firmware. For example, one or more application specific integrated circuits (ASICs) or programmable logic devices (PLDs) could be designed or programmed to implement one or more portions of the framework.

Conclusion

Although the invention has been described in language specific to structural features and/or methodological acts, it is to be understood that the invention defined in the appended claims is not necessarily limited to the specific features or acts described. Rather, the specific features and acts are disclosed as exemplary forms of implementing the claimed invention.